

R  
737  
U5s  
1977  
July-  
Sept.

U. S. NATIONAL INSTITUTES OF HEALTH

# NEW GRANTS AND AWARDS

Arranged by State, City and Institution

Announced During

JULY, AUGUST, SEPTEMBER 1977



REPORT 19M

U. S. DEPARTMENT OF  
HEALTH, EDUCATION, AND WELFARE  
Public Health Service

2  
37  
55  
977  
July-  
Sept.  
Library, Acquisitions Unit  
National Institutes of Health  
Building 10  
Bethesda, Maryland 20014

PREPARED BY  
NATIONAL INSTITUTES OF HEALTH  
DIVISION OF RESEARCH GRANTS  
STATISTICS AND ANALYSIS BRANCH



## C O N T E N T S

Page No.

### SYMBOLS USED TO IDENTIFY THE SUPPORTING INSTITUTE OR DIVISION.....

v

### JULY 1977:

SUMMARY OF NEW GRANTS AND AWARDS, BY PROGRAM AND SUPPORTING INSTITUTE OR DIVISION.....	vi
NEW RESEARCH GRANTS, BY AREA, INSTITUTION AND PRINCIPAL INVESTIGATOR.....	1
NEW RESEARCH CONTRACTS, BY AREA, INSTITUTION AND PROJECT DIRECTOR.....	37
NEW RESEARCH TRAINING GRANTS, BY AREA, INSTITUTION AND PROJECT DIRECTOR.....	43
NEW RESEARCH FELLOWSHIP AWARDS, BY AREA, INSTITUTION AND FELLOW.....	53
NEW RESEARCH CAREER PROGRAM AWARDS, BY AREA, INSTITUTION AND AWARDEE.....	72
NEW CONSTRUCTION GRANTS, BY AREA, INSTITUTION AND AWARDEE.....	78
NEW MEDICAL LIBRARY GRANTS, BY AREA, INSTITUTION AND PRINCIPAL INVESTIGATOR.....	79

### AUGUST 1977:

SUMMARY OF NEW GRANTS AND AWARDS, BY PROGRAM AND SUPPORTING INSTITUTE OR DIVISION.....	82
NEW RESEARCH GRANTS, BY AREA, INSTITUTION AND PRINCIPAL INVESTIGATOR.....	83
NEW RESEARCH CONTRACTS, BY AREA, INSTITUTION AND PROJECT DIRECTOR.....	113
NEW RESEARCH TRAINING GRANTS, BY AREA, INSTITUTION AND PROJECT DIRECTOR.....	123
NEW RESEARCH FELLOWSHIP AWARDS, BY AREA, INSTITUTION AND FELLOW.....	125
NEW RESEARCH CAREER PROGRAM AWARDS, BY AREA, INSTITUTION AND AWARDEE.....	134
NEW MEDICAL LIBRARY GRANTS, BY AREA, INSTITUTION AND PRINCIPAL INVESTIGATOR.....	139

SEPTEMBER 1977:

SUMMARY OF NEW GRANTS AND AWARDS, BY PROGRAM AND SUPPORTING INSTITUTE OR DIVISION.....	140
NEW RESEARCH GRANTS, BY AREA, INSTITUTION AND PRINCIPAL INVESTIGATOR.....	141
NEW RESEARCH CONTRACTS, BY AREA, INSTITUTION AND PROJECT DIRECTOR.....	168
NEW RESEARCH TRAINING GRANTS, BY AREA, INSTITUTION AND PROJECT DIRECTOR.....	191
NEW RESEARCH FELLOWSHIP AWARDS, BY AREA, INSTITUTION AND FELLOW.....	195
NEW RESEARCH CAREER PROGRAM AWARDS, BY AREA, INSTITUTION AND AWARDEE.....	203
NEW CONSTRUCTION GRANTS, BY AREA, INSTITUTION AND AWARDEE.....	207

SYMBOLS USED TO IDENTIFY THE SUPPORTING INSTITUTE OR DIVISION

AG	NATIONAL INSTITUTE ON AGING
AI	NATIONAL INSTITUTE OF ALLERGY AND INFECTIOUS DISEASES
AM	NATIONAL INSTITUTE OF ARTHRITIS, METABOLISM, AND DIGESTIVE DISEASES
CA	NATIONAL CANCER INSTITUTE
CA	DIVISION OF CANCER RESEARCH RESOURCES AND CENTERS
CB	DIVISION OF CANCER BIOLOGY AND DIAGNOSIS
CM	DIVISION OF CANCER TREATMENT
CN	OFFICE OF CANCER CONTROL
CO	OFFICE OF THE DIRECTOR, NCI
CP	DIVISION OF CANCER CAUSE AND PREVENTION
CL	CLINICAL CENTER
CT	DIVISION OF COMPUTER RESEARCH AND TECHNOLOGY
DE	NATIONAL INSTITUTE OF DENTAL RESEARCH
ES	NATIONAL INSTITUTE OF ENVIRONMENTAL HEALTH SCIENCES
EY	NATIONAL EYE INSTITUTE
GM	NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCES
HD	NATIONAL INSTITUTE OF CHILD HEALTH AND HUMAN DEVELOPMENT
HL	NATIONAL HEART, LUNG, AND BLOOD INSTITUTE
HB	DIVISION OF BLOOD DISEASES AND RESOURCES
HI	DIVISION OF INTRAMURAL RESEARCH
HO	OFFICE OF THE DIRECTOR, NHLBI
HR	DIVISION OF LUNG DISEASES
HV	DIVISION OF HEART AND VASCULAR DISEASES
JT	JOINT CONTRACT SPONSORSHIP
LM	NATIONAL LIBRARY OF MEDICINE
NS	NATIONAL INSTITUTE OF NEUROLOGICAL DISEASES AND STROKE
OD	OFFICE OF THE DIRECTOR, NIH
RR	DIVISION OF RESEARCH RESOURCES
RS	DIVISION OF RESEARCH SERVICES
TW	FOGARTY INTERNATIONAL CENTER



## GRANTS AND AWARDS ANNOUNCED DURING JULY 1977

I/D	RESEARCH GRANTS*	RESEARCH CARRIER		R & D CONTRACTS		TRAINING GRANTS		FELLOWSHIP AWARDS		CONSTRUCTION GRANTS		MEDICAL LIBRARY GRANTS		OTHER AWARDS	
		NUMBER	AMOUNT	NUMBER	AMOUNT	NUMBER	AMOUNT	NUMBER	AMOUNT	NUMBER	AMOUNT	NUMBER	AMOUNT	NUMBER	AMOUNT
AG	21	787,567				1	78,000	2							24,700
AI	30	1,282,674	2	75,357	2	201,359	6	313,469	14						155,700
AM	46	1,962,332	11	385,708	3	271,242	12	480,103	24						265,800
CA	38	2,030,983							18		204,800	1	1,498,646		
CB				8	760,841										
CN				5	881,506										
DE	6	265,557		1	34,795						2				24,400
ES	13	646,548	1	32,349		5	316,187			2					24,000
FY	41	1,961,189	1	29,835		1	37,283		23						264,126
GH	76	3,449,423	2	65,317		11	451,434		54						602,201
HB				1	80,578										
HD	13	1,351,338		3	411,612	7	644,742	7							75,300
HL	79	4,407,805	13	403,757		13	803,324	1							13,200
LM	2	56,621	2	74,408											
MS	26	1,461,342	6	205,866	1	120,804	1	57,645	1						10,800
RR	13	1,800,069				6	378,687								
TW	404	21,463,448	38	1,272,597	24	2,762,737	63	3,560,874	20	319,025	1	1,498,646	10	151,945	1,984,052

\*INCLUDES DIRECT COST ONLY FOR NIH RESEARCH GRANTS



NIH  
RESEARCH GRANTS \*

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
ALABAMA			
MOBILE			
UNIVERSITY OF SOUTH ALABAMA	GREENBERG, STANLEY	MECHANISMS OF CONTROL OF PULMONARY SMOOTH MUSCLE	27,571
HL22177-01			
INSTITUTION TOTAL	1	27,571	
CITY TOTAL	1	27,571	
STATE TOTAL	1	27,571	
ARIZONA			
PHOENIX			
VETERANS ADMINISTRATION HOSPITAL			
YE01868-01	WESTENBERG, IRWIN S	THE ALBINO GENE'S EFFECT ON RETINOGENICULATE AXONS	17,551
ARIZONA STATE UNIVERSITY			
AI14306-01	DAVIDSON, ELIZABETH W	INSECTICIDAL ACTION OF BACILLUS SPAHAERICUS	12,610
AGO0781-01	OKUN, MORRIS A	RISK-TAKING ACROSS THE ADULT LIFESPAN	9,670
INSTITUTION TOTAL	1	17,551	
CITY TOTAL	1	17,551	
TEMPE			
ARIZONA STATE UNIVERSITY			
AI14306-01	DAVIDSON, ELIZABETH W	INHALATION ANESTHETICS: PULMONARY BIOTRANSFORMATION	12,490
AGO0781-01	OKUN, MORRIS A	ENDOCRINE CONTROL OF MELANOMA CELL DIFFERENTIATION	46,000
INSTITUTION TOTAL	2	22,280	
CITY TOTAL	2	22,280	
TUCSON			
UNIVERSITY OF ARIZONA			
GM24450-01	BLITT, CASEY D	VIRUS-CELL INTERACTIONS AND POLIOVIRUS RNA STRUCTURE	51,106
CA2054-01	HADLEY, MAC E	DIABETIC HUMAN BRAIN MICROVASCULAR BASEMENT MEMBRANE	50,180
AI13670-01A1	HEWLETT, MARTINEZ J	HEALING COMPLICATIONS IN VASCULAR GRAFTING	50,000
HL20500-01A1	MEEZAN, ELIAS	BIOCHEMICAL ANALYSIS OF THE E. COLI LEXA GENE PRODUCT	45,401
HL22110-01	MOORE, WESLEY S	GENETIC CONTROL OF MAMMALIAN CELL SURFACE FUNCTIONS	63,279
GM24478-01	MOUNT, DAVID W	UTILIZATION OF ESSENTIAL FATTY ACIDS BY SUCKLING RATS	51,996
GM24375-01	SHIMIZU, NOBUYOSHI		
HD10954-01	WELLS, MICHAEL A		
INSTITUTION TOTAL	8	370,452	
CITY TOTAL	8	370,452	
STATE TOTAL	11	410,283	

NIH RESEARCH CENTERS \*

**PRINCIPAL INVESTIGATOR** **TITLE OF RESEARCH PROPOSAL**

UNIVERSITY OF ARKANSAS  
GM24173-01  
GEREN, COLLIS R  
VENOM COMPONENTS: ISOLATION, CHARACTERIZATION AND USE  
47,540

INSTITUTION TOTAL	1	47,540
CITY TOTAL	1	47,540

LITTLE ROCK UNIVERSITY OF ARKANSAS MEDICAL SCIENCES CAMPUS  
AM20181-01 MANSOUR, ALI  
STRUCTURE-FUNCTION RELATIONSHIP OF HEMOGLOBIN A  
30,120

INSTITUTION TOTAL	1	30,120
CITY TOTAL	1	30,120
STATE TOTAL	2	77,660

DAVIS UNIVERSITY OF CALIFORNIA AT DAVIS QUANTITATIVE STUDIES OF HUMAN BREAST PATHOLOGY  
CA21523-01 WELLINGS, SEFTON R 62,373  
INSTITUTION TOTAL 1  
CITY TOTAL 1  
62,373  
62,373

IRVINE  
UNIVERSITY OF CALIFORNIA AT IRVINE  
GM24330-01  
GM24169-01  
HATFIELD, G WESLEY  
POO, MU-MING  
CONTROL OF GENE EXPRESSION AND THE ROLES OF tRNA  
ELECTROPHORESIS OF CELL MEMBRANE RECEPTORS IN SITU  
63,029  
39,139

TURKISH STANCE 2006 ON TURKISH 11

NIH  
RESEARCH GRANTS \*

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
CALIFORNIA LA JOLLA SCRIPPS CLINIC AND RESEARCH FOUNDATION AI14290-01	HASPEL, MARTIN V	TS MUTANTS AND SLOW VIRUS DISEASE	27,560
INSTITUTION TOTAL	1	27,560	
UNIVERSITY OF CALIFORNIA AT SAN DIEGO AM20045-01 NS13679-01 GH24337-01	MALCON, LAWRENCE L SHAPIRO, HARVEY M TAYLOR, PALMER W	ARTICULAR CARTILAGE SURFACE MECHANICS EVALUATION OF CEREBRAL ISCHEMIA THERAPY PHARMACOLOGY OF MEMBRANE ASSOCIATED RECEPTORS	46,391 77,443 38,127
INSTITUTION TOTAL	3	161,961	
CITY TOTAL	4	189,521	
LOS ANGELES UNIVERSITY OF CALIFORNIA AT LOS ANGELES GM23913-01 AG00745-01 AG00729-01 AN20356-01 AM20398-01	FULCO, ARMAND J LA RUE, ASENATH A MEREDITH, PATRICIA J QUINTON, PAUL M STEVENS, ROBERT V	SOLUBLE CYTOCHROME P-450 HYDROXYLASES FROM BACTERIA PROBLEM SOLVING IN MIDDLE-AGED AND ELDERLY ADULTS NEONATAL THYMIC FACTOR AND IMMUNOREGULATION WITH AGE CYSTIC FIBROSIS & UREMIA; SWEAT GLAND PATHOPHYSIOLOGY TOTAL SYNTHESIS OF CHIRALLY PURE STEROIDS	39,600 11,980 12,000 36,466 39,634
INSTITUTION TOTAL	5	139,680	
UNIVERSITY OF SOUTHERN CALIFORNIA HL21279-01 CA21746-01 GM23826-01 HL21390-01 NS13946-01 EY01993-01	BARNDT, ROBERT, JR HEIDELBERGER, CHARLES JELLINE, ROGER W KRANTZ, DAVID S PLATT, CHRISTOPHER J SMITH, RONALD E	ATHEROSCLEROTIC WALL THICKNESS--ANGIOGRAPHIC ESTIMATION CHEMICAL TRANSFORMATION OF PROSTATE EPITHELIAL CELLS LABORATORY OF APPLIED PHARMACOKINETICS CORONARY ARTERY DISEASE AND CORONARY-PRONE BEHAVIOR LOCALIZATION OF DIFFERING VESTIBULAR SENSORY INPUTS SYNTHESIS OF DESCemet's MEMBRANE BY CORNEAL ENDOTHELIUM	28,628 72,720 100,715 25,644 18,802 86,182
INSTITUTION TOTAL	6	332,691	
CITY TOTAL	1	472,371	
MENLO PARK STANFORD RESEARCH INSTITUTE INTERNATIONAL CA21593-01	KLEID, DENNIS G	MECHANISM OF CARCINOGEN-INDUCED FRAMESHIFT MUTATIONS	25,293
INSTITUTION TOTAL	1	25,293	
CITY TOTAL	1	25,293	

NIH  
RESEARCH GRANTS \*

## GRANT NUMBER

## PRINCIPAL INVESTIGATOR

## CALIFORNIA

## PASADENA

CALIFORNIA INSTITUTE OF TECHNOLOGY  
HL21367-01 IRELAND, ROBERT E

## INSTITUTION TOTAL

1

POLYETHER IONOPHORES: SYNTHESIS OF X537A AND ANALOGS  
69,460

## HUNTINGTON MEMORIAL HOSPITAL

NS12906-01A1 AGNEW, WILLIAM F

C.S.F. SECRETION: STRUCTURE AND FUNCTION  
44,330

## INSTITUTION TOTAL

1

44,330

## CITY TOTAL

2

113,790  
RIVERSIDE  
UNIVERSITY OF CALIFORNIA AT RIVERSIDE  
A114194-01 SHOREY, HARRY H  
INSTITUTION TOTAL  
1  
CITY TOTAL  
1  
49,160  
49,16049,160  
PHEROMONES AND REGULATION OF NEMATODE MATING BEHAVIOR  
49,160  
EXTRACORPOREAL CIRCULATION AND PROTEIN DENATURATION  
49,160SAN FRANCISCO  
INSTITUTES OF MEDICAL SCIENCES  
HL21271-01 KARIC, LUCIJA STANCIC  
RY02124-01 TYLER, CHRISTOPHER W  
INSTITUTION TOTAL  
1  
CITY TOTAL  
1  
68,35468,354  
UNIVERSITY OF CALIFORNIA AT SAN FRANCISCO  
GM24900-01 AKESON, WAYNE H  
GM23928-01 ALBERTS, BRUCE M  
FY02068-01 ALVARADO, JORGE A  
AM19994-01 BLOIS, MARSDEN S, JR  
EY02072-01 CHAR, DEVRON H  
HL21409-01 CLYMAN, RONALD I  
GM24309-01 EPSTEIN, CHARLES J  
EY02141-01 FLACH, ALLAN J  
HL21793-01 PARMLEY, WILLIAM W  
GM24901-01 PETERS, RICHARD M  
INSTITUTION TOTAL  
10  
CITY TOTAL  
12  
613,871  
682,225

NIH  
RESEARCH GRANTS \*

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
CALIFORNIA SANTA BARBARA SPEECH COMMUNICATIONS RESEARCH LABORATORY NS13961-01	SHOUP, JUNE E	STUDY OF CONSONANTS BY USE OF DYNAMIC PALATOGRAPHY	32,455
INSTITUTION TOTAL	1		32,455
UNIVERSITY OF CALIFORNIA AT SANTA BARBARA GM24039-01	PURICH, DANIEL L	PHOSPHOTRANSFERASE CATALYSIS AND REGULATION	31,743
INSTITUTION TOTAL	1		31,743
CITY TOTAL	2		64,198
SANTA CRUZ UNIVERSITY OF CALIFORNIA AT SANTA CRUZ AI14127-01 RR01059-01	MC MURRAY, JOHN E WIPKE, W TODD	TOTAL SYNTHESIS OF APHIDICOLIN RESOURCE-RELATED RESEARCH: BIOMOLECULAR SYNTHESIS	27,475 94,602
INSTITUTION TOTAL	2		122,077
CITY TOTAL	2		122,077
STANFORD UNIVERSITY HL21221-01 GM24118-01 FY02108-01 HL21287-01 CA21555-01 GM24285-01	HARRISON, DONALD C KEDES, LAURENCE H MAURICE, DAVID M MC ALISTER, ALFRED L ROSENBERG, SAUL A WALLACE, DOUGLAS C	CLINICAL ANTIARRHYTHMIC AND PHARMACODYNAMIC STUDIES HISTONE GENE TRANSCRIPTION IN EMBRYONIC DEVELOPMENT CORNEAL NEUROBIOLOGY EXPERIMENTAL SYSTEMS TO IMPROVE YOUTH HEALTH BEHAVIOR CLINICAL CANCER EDUCATION PROGRAM MAMMALIAN MITOCHONDRIAL GENETICS & RNA TUMOR VIRUSES	49,179 35,990 26,610 33,805 251,200 69,371
INSTITUTION TOTAL	6		466,155
CITY TOTAL	6		466,155
STATE TOTAL	49		2,565,496
COLORADO BOULDER UNIVERSITY OF COLORADO AT BOULDER CA21950-01	WILSON, IRWIN B	ALKALINE PHOSPHATASE IN LYMPHOPROLIFERATIVE DISEASES	12,130
INSTITUTION TOTAL	1		12,130
CITY TOTAL	1		12,130

NIH  
RESEARCH GRANTS \*

## GRANT NUMBER PRINCIPAL INVESTIGATOR

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
COLORADO			
DENVER			
NATIONAL ASTHMA CENTER HL21318-01 HL21126-01	MIKLICH, DONALD R WEISER, PHILIP C	MECHANISM OF EMOTIONS: ASTHMA TRIGGERING EFFECT EXERCISE-INDUCED BRONCHOSPASM IN CHILDREN	53,314 44,629
INSTITUTION TOTAL	2		97,943
NATIONAL JEWISH HOSPITAL AND RESEARCH CENTER RR01091-01 AI14148-01	CAMPBELL, PRISCILLA A JOHNSTON, RICHARD B., JR	ANIMAL RESOURCE IMPROVEMENT PROJECT GRANT MECHANISMS OF RESISTANCE TO BACTERIAL INFECTION	82,700 50,125
INSTITUTION TOTAL	2		132,825
UNIVERSITY OF COLORADO AT DENVER GM23320-01	JOULE, JAMES	FITNESS MASKING OF ADH GENOTYPES IN SYNTENY WITH GOT-1	5,678
INSTITUTION TOTAL	1		5,678
UNIVERSITY OF COLORADO MEDICAL CENTER RR01090-01 AM19805-01 ES01576-01	FROST, WARREN W KERN, FRED, JR PRASAD, KEDAR N	ANIMAL RESOURCE DIAGNOSTIC LABORATORY ESTROGEN EFFECTS ON BILIARY LIPIDS & BILE ACID KINETICS HEAVY METAL-INDUCED DAMAGE TO THE NERVOUS SYSTEM	90,543 61,003 75,053
INSTITUTION TOTAL	3		226,599
CITY TOTAL	8		463,045
FORT COLLINS COLORADO STATE UNIVERSITY HL21485-01	DUPONT, JACQUELINE	DIETARY FAT, CHOLESTEROL AND BILE ACID TURNOVER	41,644
INSTITUTION TOTAL	1		41,644
CITY TOTAL	1		41,644
STATE TOTAL	10		516,819
CONNECTICUT PARKMINGTON UNIVERSITY OF CONNECTICUT HEALTH CENTER EY02036-01 DE04721-01 AI17473-01 NS13860-01	MARK COYKENDALL, ALAN L GOLDSCHNEIDER, IRVING SMILOHITZ, HENRY M	MEDIATORS OF INFLAMMATION IN TEAR SECRETIONS MOLECULAR TOXONOMY OF POTENTIAL PERIODONTAL PATHOGENS TERMINAL TRANSFERASE IN NORMAL & NEOPLASTIC LYMPHOCYTES DEVELOPMENTAL AND NEURAL CONTROL OF THE CELL SURFACE	10,000 45,175 78,813 39,571
INSTITUTION TOTAL	4		173,559

\* INCLUDES DIRECT COST ONLY FOR NIH AWARDS

NIH  
RESEARCH GRANTS \*DOLLARS  
AWARDED

TITLE OF RESEARCH PROPOSAL

84,385

## GRANT NUMBER

## PRINCIPAL INVESTIGATOR

CITY TOTAL

4

173,559

## CONNECTICUT

NEW HAVEN

HASKINS LABORATORIES  
NS13870-01

HARRIS, KATHERINE S

INSTITUTION TOTAL

1

84,385

## YALE UNIVERSITY

HL21352-01 BOUHUYS, AREND  
 AG00764-01 DE FRONZO, RALPH A  
 CA21194-01A1 FISCHER, DIANA B  
 CA21849-01 HOLFORD, THEODORE R  
 HL21444-01 MOTYAMA, ETSURO K  
 AI14349-01 MURPHY, DONAL B  
 DE04724-01 RASMUSSEN, HOWARD  
 GM24164-01 SCURLOCK, JAMES E  
 AM20495-01 SHERWIN, ROBERT S  
 HL21690-01 ZARET, BARRY L

INSTITUTION TOTAL

10

631,702

CITY TOTAL

11

716,087

## STORRS

UNIVERSITY OF CONNECTICUT  
 AM19725-01A1 AMBELLAN, ELISABETH H  
 HD12220-01 MAXSON, STEPHEN C

INSTITUTION TOTAL

2

56,696

CITY TOTAL

2

56,696

STATE TOTAL

17

946,342

## DIST OF COL

WASHINGTON UNIVERSITY  
 GEORGETOWN UNIVERSITY  
 CA21912-01 PANCAKE, SAMUEL J

INSTITUTION TOTAL

1

36,813

HOWARD UNIVERSITY

RR0157-01 ASHE, WARREN K

COMMUNITY STUDIES OF OBSTRUCTIVE LUNG DISEASE  
 GLUCOSE INTOLERANCE AND AGING  
 EXPLORATORY STUDIES ON CANCER PATIENT DATA CONTROL  
 COLORECTAL CANCER: FACTORS RELATED TO SURVIVAL  
 PULMONARY MECHANICS DURING POSTNATAL DEVELOPMENT  
 EXPRESSION OF IA LOCI IN SUBCLASSES OF LYMPHOCYTES  
 CELLULAR EVENTS IN BONE REMODELING OF TOOTH MIGRATION  
 ULTRA-LONG NERVE BLOCK AND UNCONVENTIONAL ANESTHETICS  
 INSULIN GLUCAGON AND SOMATOSTATIN IN DIABETES  
 SEQUENTIAL MULTINUCLIDE STUDY OF ACUTE INFARCTION

107,785  
 68,010  
 42,120  
 29,7220  
 58,005  
 57,325  
 67,502  
 33,240  
 55,613  
 112,882

GLUCOCORTICOID EFFECTS ON PROTEIN SYNTHESIS IN VITRO  
 EARLY EXPERIENCE, GENOTYPE, ENVIRONMENT AND BEHAVIOR  
 ANTIGENS INDUCED BY POLYOMA VIRUS TRANSFORMATION

20,000  
 36,696

HEALTH SCIENCES CENTER SUPPORT

\* INCLUDES DIRECT COST ONLY FOR NIH AWARDS

458,959

NIH  
RESEARCH GRANTS \*

## GRANT NUMBER

## PRINCIPAL INVESTIGATOR

DOLLARS  
AWARDEDDIST OF COL  
WASHINGTON  
HOWARD UNIVERSITY  
AM19364-01

RHOADS, ALLEN R

18,405

INSTITUTION TOTAL  
CITY TOTAL2  
3477,364  
514,177

STATE TOTAL

3

514,177

## FLORIDA

GAINESVILLE  
STATE UNIVERSITY SYSTEM OF FLORIDA--UNIVERSITY OF FLORIDA  
AI14137-01  
AG00805-01CLEM, LESTER W  
WEBB, WILSE BREGULATION OF CYCLIC 3' 5'-NUCLEOTIDE PHOSPHODIESTERASES  
49,689  
55,712INSTITUTION TOTAL  
CITY TOTAL2  
2105,401  
105,401

## MIAMI

PAPANICOLAOU CANCER RESEARCH INSTITUTE  
GM24926-01MICROENVIRONMENTAL GEOMETRY OF C-C LYASE ACTIVE SITES  
46,200

INSTITUTION TOTAL

1

46,200

UNIVERSITY OF MIAMI  
AM2C346-01SELAWRY, HELENA P  
THE IMPLANTATION OF ISLETS OF LANGERHANS  
38,711INSTITUTION TOTAL  
CITY TOTAL1  
238,711  
84,911

## TALLAHASSEE

STATE UNIVERSITY SYSTEM OF FLORIDA--FLORIDA STATE UNIVERSITY  
CA20428-01A1MARZLUFF, WILLIAM F, JR  
CONTROL OF MILK PROTEIN SYNTHESIS IN MAMMARY TUMORS  
21,784INSTITUTION TOTAL  
CITY TOTAL1  
121,784  
21,784

STATE TOTAL

5

212,096

## GEORGIA

ATLANTA  
EMORY UNIVERSITY  
BS01615-01GOLDSMITH, DAVID J  
THE SYNTHESIS OF ANTIPEEDING AGENTS  
\* INCLUDES DIRECT COST ONLY FOR NIH AWARDS  
38,110

NIH  
RESEARCH GRANTS \*DOLLARS  
AWARDED

## GRANT NUMBER PRINCIPAL INVESTIGATOR TITLE OF RESEARCH PROPOSAL

## GEORGIA

## ATLANTA

## EMORY UNIVERSITY

HD10943-01

HL21195-01

EY01967-01

GOULD, KENNETH G  
HARTZELL, HARRISON C, JR  
TAKEI, YOSHIO

ALTERATION OF CERVICAL MUCUS COMPOSITION  
INNERVATION OF THE HEART: ACEYLCHOLINE RECEPTORS  
SYSTEM DEGENERATION OF CNS--EXPERIMENTAL APPROACH

INSTITUTION TOTAL 4

CITY TOTAL 4

147,014

147,014

## AUGUSTA

UNIVERSITY SYSTEM OF GEORGIA--MEDICAL COLLEGE OF GEORGIA  
GM23484-01

SOHAL, GURKIRPAL S

CELL DEATH AND CYTODIFFERENTIATION

19,545

INSTITUTION TOTAL 1

CITY TOTAL 1

19,545

19,545

166,559

## HAWAII

HONOLULU  
UNIVERSITY OF HAWAII SYSTEM--UNIVERSITY OF HAWAII AT MANOA  
GM23498-01A1

MORTON, NEWTON E

33,374

INSTITUTION TOTAL 1

CITY TOTAL 1

33,374

33,374

33,374

## IDAHO

MOSCOW  
UNIVERSITY OF IDAHO  
ES01567-01

MILLER, LOIS K

53,687

INSTITUTION TOTAL 1

CITY TOTAL 1

53,687

53,687

53,687

ILLINOIS  
CHICAGO  
NORTHWESTERN UNIVERSITYAI14139-01  
LIPTON, HOWARD LTHEILER'S VIRUS-INDUCED DEMYELINATING DISEASE IN MICE  
37,014

\* INCLUDES DIRECT COST ONLY FOR NIH AWARDS

NIH  
RESEARCH GRANTS \*DOLLARS  
AWARDED

## GRANT NUMBER

## TITLE OF RESEARCH PROPOSAL

INSTITUTION TOTAL 1 37,014

ILLINOIS  
CHICAGOUNIVERSITY OF CHICAGO  
HL21676-01 GOLDWASSER, EUGENE  
CA22039-01 GURNEY, CLIFFORD W  
GM24110-01 PETES, THOMAS D

INSTITUTION TOTAL 3 194,202

UNIVERSITY OF ILLINOIS AT CHICAGO CIRCLE  
GM24189-01 LIEBMAN, SUSAN W

INSTITUTION TOTAL 1 31,858

UNIVERSITY OF ILLINOIS AT THE MEDICAL CENTER  
EY01989-01 BENNETT, THOMAS O  
CA23026-01 TISSOT, ROBERT GINSTITUTION TOTAL 2 66,989  
CITY TOTAL 7 330,063HINES  
VETERANS ADMINISTRATION HOSPITAL  
AM20307-01 LAWRENCE, ANN MINSTITUTION TOTAL 1 24,175  
CITY TOTAL 1 24,175URBANA  
UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN  
HL21342-01 BARR, LLOYDINSTITUTION TOTAL 1 65,295  
CITY TOTAL 1 65,295  
STATE TOTAL 9 419,533INDIANA  
BLOOMINGTON  
INDIANA UNIVERSITY AT BLOOMINGTON  
GM24347-01 JASKUNAS, S RICHARD  
REGULATION OF RIBOSOME BIOSYNTHESIS

\* INCLUDES DIRECT COST ONLY FOR NIH AWARDS

62,086

65,295

41,835

24,175

31,858

24,175

41,835  
25,154

31,858

HISTOCOMPATIBILITY IN ANIMAL PENETRATING KERATOPLASTY  
THE MAJOR HISTOCOMPATIBILITY COMPLEX OF THE RABBIT

NIH  
RESEARCH GRANTS \*

## GRANT NUMBER

## PRINCIPAL INVESTIGATOR

DOLLARS  
AWARDED

INDIANA  
BLOOMINGTON  
INDIANA UNIVERSITY AT BLOOMINGTON  
KAUFMAN, THOMAS C  
GM24299-01  
GM24212-01

INSTITUTION TOTAL 3  
CITY TOTAL 3

151,855  
151,855

31,166

58,603

INDIANAPOLIS  
INDIANA UNIVERSITY-PURDUE UNIVERSITY AT INDIANAPOLIS  
AM21353-01  
HL21706-01  
DE03537-01A3  
EY01806-01A1

INSTITUTION TOTAL 4  
CITY TOTAL 4

241,322  
241,322

68,657  
71,418  
21,809  
79,438

DECREASED INSULIN SENSITIVITY IN DIABETES MELLITUS

NUCLEAR MAGNETIC RESONANCE AND MYOCARDIAL ISCHEMIA

PLAQUE FORMATION BY ACTINOMYCES NAESLUNDII

OCULAR LYSSOMES IN HEREDITARY RETINAL DEGENERATIONS

WEST LAFAYETTE  
PURDUE UNIVERSITY  
GM24417-01

LOW, PHILIP S

34,993

ANION EXCHANGE ACROSS ERYTHROCYTE MEMBRANES

INSTITUTION TOTAL 1  
CITY TOTAL 1  
STATE TOTAL 8

34,993  
34,993  
428,170

IAWA  
AMES  
IAWA STATE UNIVERSITY OF SCIENCE AND TECHNOLOGY  
AI14132-01  
GM24254-01

INSTITUTION TOTAL 2  
CITY TOTAL 2

74,450  
74,450

36,849  
37,601

ORAL TRANSMISSION OF RABIES VIRUS IN WILDLIFE

SYNTHESIS OF BIOLOGICALLY ACTIVE LACTONES AND LACTAMS

IAWA CITY  
UNIVERSITY OF IOWA  
CA19502-01A1  
AG00753-01

BUCHSBAUM, HERBERT J  
CHALKLEY, ROGER

69,263  
52,098

GYNECOLOGIC ONCOLOGY GROUP

AGING OF THE MAMMALIAN CHROMOSOME

NIH  
RESEARCH GRANTS \*DOLLARS  
AWARDED

## TITLE OF RESEARCH PROPOSAL

## GRANT NUMBER PRINCIPAL INVESTIGATOR

IOWA			
IOWA CITY			
UNIVERSITY OF IOWA			
HL21356-01	DIANA, JOHN N		PROTECTION OF THE ISCHEMIC MYOCARDIUM
HL20124-01	LAUER, RONALD M		CORONARY RISK FACTORS IN CHILDREN
HL21158-01	THAMES, MARC D		CARDIAC RECEPTORS WITH VAGAL C-FIBER AFFERENTS
INSTITUTION TOTAL	5		288,128
CITY TOTAL	5		288,128
STATE TOTAL	7		362,578

KANSAS			
KANSAS CITY			
UNIVERSITY OF KANSAS			
GM24035-01	HELMKAMP, GEORGE H, JR		MEMBRANE-PHOSPHOLIPID EXCHANGE PROTEIN INTERACTIONS
INSTITUTION TOTAL	1		42,390
CITY TOTAL	1		42,390

MANHATTAN			
KANSAS STATE UNIVERSITY OF AGRICULTURE AND APPLIED SCIENCE			
GM24208-01	MURPHY, DOUGLAS B		THE MOLECULAR MECHANISM OF INTRACELLULAR MOTILITY
INSTITUTION TOTAL	1		47,497
CITY TOTAL	1		47,497
STATE TOTAL	2		89,887

KENTUCKY			
LEXINGTON			
UNIVERSITY OF KENTUCKY			
AI13360-01A1	BROWNSTEIN, BERNARD H		STUDIES OF RIBOSOMES FROM HISTOPLASMA CAPSULATUM
INSTITUTION TOTAL	1		34,617
CITY TOTAL	1		34,617

LOUISVILLE			
UNIVERSITY OF LOUISVILLE			
HL19768-01	FLOWERS, NANCY C		RECORDING AND ANALYSIS OF LOW LEVEL CARDIAC SIGNALS
EY01941-01	POTTS, ALBERT H		AN EXPERIMENTAL STUDY OF ANTIGLAUCOMA SURGERY
INSTITUTION TOTAL	2		93,900

\* INCLUDES DIRECT COST ONLY FOR NIH AWARDS

NIH  
RESEARCH GRANTS \*DOLLARS  
AWARDED

## GRANT NUMBER      PRINCIPAL INVESTIGATOR      TITLE OF RESEARCH PROPOSAL

CITY TOTAL      2

93,900

STATE TOTAL      3

128,517

## LOUISIANA

NEW ORLEANS

TULANE UNIVERSITY

HL19997-01

CHAPNICK, BARRY H      PROSTAGLANDIN PRECURSORS AND INTESTINAL VASCULATURE

INSTITUTION TOTAL

1

22,277

CITY TOTAL

1

22,277

STATE TOTAL

1

22,277

## MARYLAND

BALTIMORE

JOHNS HOPKINS UNIVERSITY

GM24486-01      ACKERS, GARY K  
 ES01589-01      ANNAU, ZOLTAN  
 ES01596-01      HUANG, P C  
 HL22029-01      JAKAB, GEORGE J  
 CA21971-01      LEVENTHAL, BRIGID G  
 GM24195-01      MALONEY, PETER C  
 BY02120-01      QUIGLEY, HARRY A  
 NS13402-01A 1      SKOFF, ROBERT P  
 HL21692-01      SPIVAK, JERRY L  
 GM24398-01      TORGERSON, WARREN S

MOLECULAR SIEVE CHROMATOGRAPHY OF INTERACTING PROTEINS  
 TOXICITY OF PRENATAL CARBON MONOXIDE EXPOSURE  
 GENETIC STUDIES OF HUMAN CHROMOSOMAL DISEASES  
 BRONCHOPULMONARY RESISTANCE TO BACTERIAL INFECTION  
 CANCER AND LEUKEMIA GROUP B  
 ION GRADIENTS AND ENERGY COUPLING IN BACTERIA  
 THE PATHOGENESIS OF GLAUCOMATOUS OPTIC NERVE DAMAGE  
 THE STUDY OF NORMAL AND ABNORMAL GLIOGENESIS  
 PURIFICATION OF ERYTHROPOIETIN  
 STRUCTURE OF PERCEIVED PAIN AND PAIN PATIENT TYPOLOGY

INSTITUTION TOTAL

10

513,773

CITY TOTAL

10

513,773

## CATONSVILLE

UNIVERSITY OF MARYLAND SYSTEM--UNIVERSITY OF MARYLAND BALTIMORE COUNTY CAMPUS

CA21374-01      KARPEL, RICHARD L      PHYSIOLOGICAL ROLES OF RNA UNWINDING PROTEINS

INSTITUTION TOTAL

1

39,199

CITY TOTAL

1

39,199

## COLLEGE PARK

UNIVERSITY OF MARYLAND SYSTEM--UNIVERSITY OF MARYLAND COLLEGE PARK CAMPUS  
 AI14242-01      COLWELL, RITA R      ECOLOGY OF PATHOGENIC VIBRIOS

INSTITUTION TOTAL

1

36,571

\* INCLUDES DIRECT COST ONLY FOR NIH AWARDS

NIH  
RESEARCH GRANTS \*DOLLARS  
AWARDED

## TITLE OF RESEARCH PROPOSAL

## PRINCIPAL INVESTIGATOR

CITY TOTAL

36,571

MARYLAND				
SILVER SPRING				
INSTITUTE FOR BEHAVIORAL RESEARCH				
HL21323-01	TAUB, EDWARD			
INSTITUTION TOTAL	1			70,616
JOHNS HOPKINS UNIVERSITY APPLIED PHYSICS LABORATORY				
EY02054-01	HOCHHEIMER, BERNARD F	POLARIZED LIGHT RETINAL PHOTOGRAPHY		
INSTITUTION TOTAL	1		8,904	
CITY TOTAL	2		79,520	
STATE TOTAL	14		669,063	

MASSACHUSETTS				
BOSTON				
AFFILIATED HOSPITALS CENTER--BOSTON HOSPITAL FOR WOMEN				
CA22342-01	GIANNOPoulos, GEORGE	HORMONE DEPENDENCE IN ENDOMETRIAL AND BREAST CANCER		
INSTITUTION TOTAL	1		74,638	
AFFILIATED HOSPITALS CENTER--ROBERT BRECK BRIGHAM HOSPITAL				
AI14185-01	SHER, F ALAN	CARBOHYDRATE METABOLISM AND CATECHOLAMINES		
AI14292-01	SOTER, NICHOLAS A	MECHANISMS OF HOST REACTION TO SCHISTOSOMULA		
INSTITUTION TOTAL	2	MEDIATORS OF INFLAMMATION IN DERMATOLOGIC DISEASES		
BETH ISRAEL HOSPITAL				
AM20378-01	LANDSBERG, LEWIS	COLLAGEN: MOLECULAR CHANGES WITH AGING		
AG00599-01	ROWE, JOHN W	CARBOHYDRATE METABOLISM AND CATECHOLAMINES		
INSTITUTION TOTAL	2	PROGRAM PROJECT IN BIOMEDICAL ASPECTS OF AGING		
BOSTON BIOMEDICAL RESEARCH INSTITUTE				
AG00774-01	CANNON, DONALD J	INSTITUTION TOTAL	1	54,957
BOSTON UNIVERSITY				
EY02142-01	ROTHSCHILD, KENNETH J	INSTITUTION TOTAL	1	40,712

\* INCLUDES DIRECT COST ONLY FOR NIH AWARDS

NIH  
RESEARCH GRANTS \*

## GRANT NUMBER

## PRINCIPAL INVESTIGATOR

DOLLARS  
AWARDED

TITLE OF RESEARCH PROPOSAL		DOLLARS AWARDED
MASSACHUSETTS		
BOSTON		
CHILDREN'S HOSPITAL MEDICAL CENTER		
CA21763-01	KLAGSBURN, MICHAEL	56,003
AG02074-01	SELKOE, DENNIS J	40,500
GM24411-01	SMITH, ARNOLD L	83,882
INSTITUTION TOTAL	3	180,385
Eye Research Institute of Retina Foundation		
EY02099-01	ALLANSITH, MATHEA R	48,496
EY01975-01	POMERANTZEFF, OLEG	103,748
INSTITUTION TOTAL	2	152,244
HARVARD UNIVERSITY		
CA22109-01	AULT, KENNETH A	36,837
EY02014-01	BERSON, ELIOT L	124,478
EY01938-01	DRAGER, URSULA C	27,443
EY02028-01	EDWARDS, ROSS B	44,770
GM24069-01	ELGIN, SARAH C	4,050
DE04688-01	EVANS, CARLA A	25,965
HD10994-01	RUDERMAN, JOAN V	64,257
HL21063-01	TAGER, IRA B	56,396
INSTITUTION TOTAL	8	384,196
MASSACHUSETTS GENERAL HOSPITAL		
AM19406-01A1	AUSIELLO, DENNIS A	22,785
CA20634-01A1	IRWIN, DAVID	24,449
AM20309-01	WANDS, JACK R	35,340
INSTITUTION TOTAL	3	82,574
SIDNEY FARBER CANCER INSTITUTE		
AI14373-01	ZAIK, JOHN A	29,925
INSTITUTION TOTAL	1	29,925
CITY TOTAL	24	1,333,956
CAMBRIDGE		
HARVARD UNIVERSITY		
GM24225-01	KAPATOS, FOTIS C	37,415
GM23788-01	WARE, BENNIE R	37,125
INSTITUTION TOTAL	2	74,540

\* INCLUDES DIRECT COST ONLY FOR NIH AWARDS

## GRANT NUMBER

## TITLE OF RESEARCH PROPOSAL

DOLLARS  
AWARDEDMASSACHUSETTS  
MASSACHUSETTS INSTITUTE OF TECHNOLOGY

COLTON, CLARK K  
DEEN, WILLIAM M  
HALL, LINDA M  
LEES, ROBERT S  
RASCHTER, WILLIAM H  
SOLOHON, EDWARD I  
WOLF, GEORGE

TRANSPORT OF LDL IN THE ARTERIAL WALL  
PHYSICOCHEMICAL ASPECTS OF RENAL TRANSPORT PROCESSES  
ANALYSIS OF A TETRODOTOXIN-SENSITIVE MUTANT  
LIPOPROTEINS, HEMOSTASIS AND ATHEROSCLEROSIS  
CHELATION-ANTIBIOTICS/TREATMENT OF IRON OVERLOAD  
SPECTROSCOPIC STUDIES OF BINUCLEAR COPPER PROTEINS  
VITAMIN A-GLYCOPHOSPHOLIPIDS AND GLYCOPROTEINS

126,117  
33,001  
56,991  
90,304  
37,573  
40,288  
50,545

INSTITUTION TOTAL 7  
CITY TOTAL 9

434,819  
509,359

LOWELL  
UNIVERSITY OF LOWELL, LYNCH, ROBERT D

11,880

INSTITUTION TOTAL 1  
CITY TOTAL 1

11,880  
11,880

SHRENSBURY  
WORCESTER FOUNDATION FOR EXPERIMENTAL BIOLOGY  
AGO0797-01  
FORBES, WILLIAM B

DIETARY RESTRICTION, LONGEVITY AND CNS AGING

12,000  
12,000

INSTITUTION TOTAL 1  
CITY TOTAL 1

12,000  
12,000

WOODS HOLE  
MARINE BIOLOGICAL LABORATORY  
NS13779-01  
DOWLING, JOHN E

12,000

MEMBRANE TRANSDUCTION MECHANISMS--A SYMPOSIUM

INSTITUTION TOTAL 1  
CITY TOTAL 1

3,000  
3,000

STATE TOTAL 36

1,870,195

MICHIGAN  
ANN ARBOR  
UNIVERSITY OF MICHIGAN  
ES01613-01  
BOETTNER, EDWARD A

A STUDY OF FIBROUS DUST PROPAGATION USING HOLOGRAPHY

NIH  
RESEARCH GRANTS \*DOLLARS  
AWARDED

## TITLE OF RESEARCH PROPOSAL

## GRANT NUMBER

## PRINCIPAL INVESTIGATOR

## MICHIGAN

## ANN ARBOR

## UNIVERSITY OF MICHIGAN

AG01935-01 GUTMANN, DAVID L  
HL18632-01A2 HIGGINS, MILLICENT W  
ES01611-01 RICHARD C.N. RUDY J

INSTITUTION TOTAL 4  
CITY TOTAL 4

## DETROIT

WAYNE STATE UNIVERSITY  
EY01935-01 BERK, RICHARD S  
AM19338-01A1 PRASAD, ANANDA S  
EY02105-01 WEINSIDER, ALLAN

INSTITUTION TOTAL 3  
CITY TOTAL 3

## EAST LANSING

MICHIGAN STATE UNIVERSITY  
HL21319-01 VAN EGGEREN, LAWRENCE F  
HL21436-01 WEAVER, LYNN C

INSTITUTION TOTAL 2  
CITY TOTAL 2

## ROCHESTER

OAKLAND UNIVERSITY  
EY02027-01 REDDY, VENKAT N

INSTITUTION TOTAL 1  
CITY TOTAL 1  
STATE TOTAL 10

## MINNESOTA

AUSTIN  
UNIVERSITY OF MINNESOTA

HL21513-01 HOLMAN, RALPH T

INSTITUTION TOTAL 1  
CITY TOTAL 1

\* INCLUDES DIRECT COST ONLY FOR NIH AWARDS

THE PSYCHOLOGY OF AGING AMONG THE GOLAN DRUZE  
EPIDEMIOLOGIC STUDY OF CHRONIC LUNG DISEASE  
NEUROTOXIC ESTERASE: NORMAL AND PATHOGENIC ROLES

246,854  
246,854

PSEUDOMONAS EYE INFECTIONS--AN EXPERIMENTAL MODEL  
REQUIREMENT FOR ZINC IN MAN  
EXTRA-OCULAR FACTORS AFFECTING LENS GROWTH

79,207  
79,207

INTERPERSONAL STRESS AND CORONARY-PRONE BEHAVIOR  
AUTONOMIC CONTROL OF RENAL FUNCTION

78,166  
78,166

PROTEINS OF NORMAL AND CATARACTOUS LENSES

47,788

47,788  
47,788

452,015

THE METABOLISM OF TRANS FATTY ACIDS

50,843  
50,843

50,843

## TITLE OF RESEARCH PROPOSAL

## GRANT NUMBER

## PRINCIPAL INVESTIGATOR

MINNESOTA				
MINNEAPOLIS				
UNIVERSITY OF MINNESOTA				
HL21188-01	BLACKSHEAR, PERRY L., JR	PULSATORY WATER FLUX AND ENDOTHELIAL CELL DESQUAMATION	63,710	
AM20311-01	LEON, ARTHUR S	EXERCISE, DIABETES AND VASCULAR RISK	61,684	
EY02316-01	RAMSA, ROBERT C	INNOVATIONAL DIABETIC RETINOPATHY STUDY	13,010	
HL21298-01	SCHWARTZ, JEFFREY	CORONARY VASOMOTION	29,058	
RR00943-01A2	THEISEN, CHARLES T	ANIMAL RESOURCE IMPROVEMENT FACILITY	66,560	
INSTITUTION TOTAL	5	234,022		
CITY TOTAL	5	234,022		
ROCHESTER				
MAYO FOUNDATION				
AM20411-01	GERICH, JOHN E	ALPHA AND BETA CELL FUNCTION IN HUMAN DIABETES	57,053	
CA2491-01	MCKEAN, DAVID J	CHARACTERIZATION OF PRECURSOR PROTEINS AND PC RECEPTOR	78,830	
HL20875-01	MILLER, R DREW	CHRONIC OBSTRUCTIVE PULMONARY DISEASE--FAMILIAL/GENETIC	74,662	
INSTITUTION TOTAL	3	210,545		
CITY TOTAL	3	210,545		
SAIN T PAUL				
UNIVERSITY OF MINNESOTA				
GM24096-01	GUILFOYLE, THOMAS J	REGULATION OF RNA POLYMERASES DURING DEVELOPMENT	56,550	
GH24294-01	JENDRISAK, JEROME J	REGULATION OF EUKARYOTIC GENE TRANSCRIPTION	37,253	
ES01605-01	MC KINNELL, ROBERT G	A FROG MUTAGENESIS TEST SYSTEM	61,729	
INSTITUTION TOTAL	3	155,532		
CITY TOTAL	3	155,532		
STATE TOTAL	12	650,942		
MISSISSIPPI				
JACKSON				
UNIVERSITY OF MISSISSIPPI MEDICAL CENTER				
NS13279-01A1	JACKSON, JOHN F	SPINOCEREBELLAR ATAXIA LINKAGE TO HL-A AND OTHER LOCI	35,802	
INSTITUTION TOTAL	1	35,802		
CITY TOTAL	1	35,802		
STATE TOTAL	1	35,802		

NIH RESEARCH GRANTS \*

PRINCIPAL INVESTIGATOR  
REGRANT NUMBER

## TITLE OF RESEARCH PROPOSAL

MISSOURI	COLUMBIA	UNIVERSITY OF MISSOURI-COLUMBIA	ORTWERTH, BERYL J RIDDLE, DONALD L SCHMITZ, KENNETH S	43,080 48,781 54,092
			LENS INHIBITOR PROTEINS AND CATARACTOGENESIS DEVELOPMENTAL GENETICS OF THE <i>C. ELEGANS</i> DAUER LARVA CONFORMATION OF CHROMATIN MULTIMERS IN SOLUTION	53,091
		INSTITUTION TOTAL	3	145,953
		CITY TOTAL	3	145,953
SAIN T LOU TS				
ST. LOUIS UNIVERSITY		LAMBOWITZ, ALAN M		BIOGENESIS OF MITOCHONDRIA IN NEUROSPORA
		INSTITUTION TOTAL	1	53,091
		CITY TOTAL	1	53,091
UNIVERSITY CITY				
WASHINGTON UNIVERSITY		BAENZIGER, JACQUES U BERG, DOUGLAS E KIRK, DAVID L OSTLUND, RICHARD E., JR PERRAULT, JACQUES STRAUSS, ARNOLD W		OLIGOSACCHARIDE STRUCTURE AND RECEPTOR SPECIFICITY MECHANISMS OF GENE TRANSPOSITION IN BACTERIA GENETIC CONTROL OF MORPHOGENESIS IN VOLVOX CONTRACTILE PROTEINS OF SECRETORY TISSUES VESICULAR STOMATITIS VIRUS DI RNA, STRUCTURE & FUNCTION SYNTHETIC CONTROL: FATTY ACID SYNTHETASE AND ALBUMIN
		INSTITUTION TOTAL	6	288,285
		CITY TOTAL	6	288,285
		STATE TOTAL	10	487,329
NEBRASKA				
OMAHA		UNIVERSITY OF NEBRASKA SYSTEM--UNIVERSITY OF NEBRASKA MEDICAL CENTER		84,710
		HD10528-01A1	BARKER, KENNETH L	REGULATION OF UTERINE RIBOSOME ACTIVITY BY ESTROGENS
		HD11011-01	BLAKE, CHARLES A	MECHANISMS OF CYCLIC LH AND FSH RELEASE
		INSTITUTION TOTAL	2	146,583
		CITY TOTAL	2	146,583
		STATE TOTAL	2	146,583

NIH  
RESEARCH GRANTS \*

## GRANT NUMBER      PRINCIPAL INVESTIGATOR

DOLLARS  
AWARDEDNEVADA  
RENO  
UNIVERSITY OF NEVADA SYSTEM--UNIVERSITY OF NEVADA RENOAI14209-01      KOZEL, THOMAS R  
CRYPTOCOCCAL POLYSACCHARIDE: INHIBITION OF PHAGOCYTOSIS  
27,740

INSTITUTION TOTAL	1	27,740
CITY TOTAL	1	27,740
STATE TOTAL	1	27,740

NEW HAMPSHIRE  
HANOVER  
DARTMOUTH COLLEGE  
HL21246-01      CHANG, TA-YUAN  
ROLES OF CHOLESTEROL AND ITS METABOLIC REGULATION  
52,252

INSTITUTION TOTAL	1	52,252
CITY TOTAL	1	52,252
STATE TOTAL	1	52,252

NEW JERSEY  
NEW BRUNSWICK  
RUTGERS THE STATE UNIVERSITY NEW BRUNSWICK  
GN24391-01      SINHA, NAVIN K  
IN VITRO ANALYSIS OF A DNA REPLICATION APPARATUS  
43,100

INSTITUTION TOTAL	1	43,100
CITY TOTAL	1	43,100
STATE TOTAL	1	43,100

NEW YORK  
ALBANY  
NEW YORK STATE DEPARTMENT OF HEALTH  
CA19564-01A1      JANERICH, DWIGHT T  
GH24006-01      ROSE, HARALD H  
CANCER IN PARENTS OF CONGENITALLY DEFFECTIVE CHILDREN  
IMAGING METHODS FOR BIOLOGICAL OBJECTS IN EM  
49,187

INSTITUTION TOTAL	2	83,475
NEW YORK STATE DEPARTMENT OF MENTAL HYGIENE EY02146-01      KARTEN, HARVEY J	1	73,910

NIH  
RESEARCH GRANTS \*

## GRANT NUMBER

## PRINCIPAL INVESTIGATOR

NEW YORK  
ALBANYSTATE UNIVERSITY OF NEW YORK AT ALBANY  
AG00682-01 ALLINGTON, RICHARD L  
EY02101-01 GILCHRIST, ALAN L

INSTITUTION TOTAL 2

25,365

UNION COLLEGE AND UNIVERSITY SYSTEM--ALBANY MEDICAL COLLEGE  
GM24409-01 HOP, LISLOETTE B  
HL21118-01 THOMAS, WILBUR A

INSTITUTION TOTAL 2

119,017

CITY TOTAL 7

301,767

BUFFALO

STATE UNIVERSITY OF NEW YORK AT BUFFALO  
GM24211-01 JUSKO, WILLIAM J  
HL21294-01 SACHS, FREDERICK

INSTITUTION TOTAL 2

119,569

CITY TOTAL 2

119,569

COLD SPRING HARBOR

COLD SPRING HARBOR LABORATORY

GM24226-01 BROACH, JAMES R

INSTITUTION TOTAL 1

44,575

CITY TOTAL 1

44,575

GARDEN CITY

ADELPHI UNIVERSITY

EY02073-01 BETTELHEIM, FREDERICK A  
GM24267-01 DAVIS, DONALD G

INSTITUTION TOTAL 2

31,310

CITY TOTAL 2

31,310

ITHACA  
CORNELL UNIVERSITY

AM20379-01 ALBRECHT, ANDREAS C

NEAR ULTRAVIOLET RAMAN STUDIES OF CYTOCHROME P450

49,018

\* INCLUDES DIRECT COST ONLY FOR NIH AWARDS

DOLLARS  
AWARDEDIDENTIFYING AND EASING THE READING DEMANDS OF THE AGED  
REFLECTANCE AND ILLUMINATION EDGES 12,000  
13,36529,017  
90,000

44,575

17,249  
14,061

44,575

17,249  
14,061

## GRANT NUMBER

## PRINCIPAL INVESTIGATOR

## TITLE OF RESEARCH PROPOSAL

DOLLARS  
AWARDED

NEW YORK ITHACA CORNELL UNIVERSITY HL21684-01 AM18946-01A1 AI14340-01 GM24314-01	ALONSO, DANIEL R AUSTIC, RICHARD E CALVO, JOSEPH M MORRISON, GEORGE H	RADIONUCLIDE INFARCT SIZING AND THERAPY EVALUATION INTERACTION OF NA AND K IN HYPERURICEMIA AND GOUT REGULATION OF LEUCINE BIOSYNTHESIS IN BACTERIA ION MICROSCOPY IN BIOLOGY AND MEDICINE	109,097 25,745 39,865 41,349
INSTITUTION TOTAL CITY TOTAL	5 5	265,074 265,074	
LAKE PLACID TISSUE CULTURE ASSOCIATION--W. DOUGLAS, WILLIAM H	ALTON JONES CELL SCIENCE CENTER CYSTIC FIBROSIS		3,600
INSTITUTION TOTAL CITY TOTAL	1 1	3,600 3,600	
NEW YORK CITY UNIVERSITY OF NEW YORK--HERBERT H. LEHMAN COLLEGE LM03001-01	ACKERMAN, EVELYN B	A HISTORY OF MEDICAL CARE IN RURAL FRANCE, 1700-1915	24,568
INSTITUTION TOTAL	1	24,568	
CITY UNIVERSITY OF NEW YORK--MOUNT SINAI SCHOOL OF MEDICINE HL21105-01 EY01976-01	ORLOWSKI, MARIAN REINACH, PETER S	ORGAN SPECIFIC DRUGS: CARDIOVASCULAR AND RENAL EFFECTS COUPLING BETWEEN METABOLISM/IONIC TRANSPORT IN CORNEAS	45,359 33,464
INSTITUTION TOTAL	2	78,823	
CITY UNIVERSITY OF NEW YORK--QUEENS COLLEGE EY01802-01	FRUMKES, THOMAS E	ROD-CONE INTERRELATIONSHIPS IN HUMAN VISION	64,741
INSTITUTION TOTAL	1	64,741	
COLUMBIA UNIVERSITY NS13951-01 BL21368-01	ABRAMSON, MAXWELL DANILLO, PETER, JR GANGAT, YAKUB M HOOD, DONALD C KELLY, JAMES P ZEGARELLI, EDWARD V	PATHOGENESIS AND BONE RESORPTION IN AURAL-CHOLESTEATOMA PERINATAL CARDIAC ELECTROPHYSIOLOGY ANESTHETICS/CAMP SYSTEM: MODE OF ACTION; HEART EFFECT CONE SATURATION AND LIGHT ADAPTATION IN HUMANS ANATOMICAL STUDIES OF THE AUDITORY CORTEX CLINICAL CANCER EDUCATION GRANT	94,317 34,707 31,325 22,723 47,870 16,735
INSTITUTION TOTAL	6	247,677	

\* INCLUDES DIRECT COST ONLY FOR NIH AWARDS

NIH  
RESEARCH GRANTS \*

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
NEW YORK NEW YORK CORNELL UNIVERSITY MEDICAL CENTER AG00681-01 AM20198-01	GOIDL, EDMOND A LIEBOW, CHARLES	LYMPHOCYTE FUNCTION IN AGING HUMANS ENTEROPANCREATIC CIRCULATION OF DIGESTIVE PROTEINS	12,000 40,000
INSTITUTION TOTAL	2	52,000	72,945
MEMORIAL HOSPITAL FOR CANCER AND ALLIED DISEASES CA20681-01A1	LEPLEY, JAMES B	CLINICAL CANCER EDUCATION (DENTAL)	
INSTITUTION TOTAL	1	72,945	
NEW YORK STATE DEPARTMENT OF MENTAL HYGIENE--INSTITUTE FOR BASIC RESEARCH IN MENTAL RETARDATION NS13980-01	GOULD, ROBERT M	COMPLEX LIPID METABOLISM IN THE AXON	50,420
INSTITUTION TOTAL	1	50,420	
NEW YORK UNIVERSITY MS14014-01 BR01082-01 FY02017-01 CA21275-01	LLINAS, RODOLFO R HOOR-JANKOWSKI, JAN MOVSHON, J. ANTHONY ROBINSON, HARRY L	ROLE OF CALCIUM IN SYNAPTIC TRANSMITTER RELEASE BLOOD GROUPS IN PRIMATES QUANTITATIVE STUDIES OF THE CENTRAL VISUAL SYSTEM CLINICAL CANCER EDUCATION	22,460 169,182 42,682 58,045
INSTITUTION TOTAL	4	292,369	
ROCKEFELLER UNIVERSITY AN20357-01 NS12730-01A2 GM24047-01 AI13728-01A1 HL20909-01	COWBURN, DAVID A GHEZ, CLAUDE P GISIN, BALTIASAR F KILEJIAN, ARAXIE LAZAROW, PAUL B	DYNAMIC CONFORMATIONS OF PEPTIDES INPUT/OUTPUT RELATIONS IN VOLUNTARY MOVEMENT STRUCTURE AND FUNCTION OF PEPTIDE INCLUSION COMPLEXES HOST-PARASITE INTERACTIONS IN MALARIA CLOFIBRATE-ENHANCED LIPID OXIDATION BY PEROXISOMES	43,000 56,072 48,309 62,520 34,502
INSTITUTION TOTAL	5	244,403	
SLOAN-KETTERING INSTITUTE FOR CANCER RESEARCH CA22212-01	DE HARVEN, ETIENNE	SCANNING EM OF LYMPHOCYTES WITH MARKERS FOR SIG	18,470
INSTITUTION TOTAL	1	18,470	
YESHIVA UNIVERSITY HL21167-01 BY01804-01A1	ARONSON, RONALD S BAUM, GILBERT	THE ELECTROPHYSIOLOGY OF CARDIAC HYPERTROPHY OCULAR TUMOR DIAGNOSIS	28,094 88,764
INSTITUTION TOTAL	2	116,858	
CITY TOTAL	26	1,263,274	

\* INCLUDES DIRECT COST ONLY FOR NIH AWARDS

## PRINCIPAL INVESTIGATOR

DOLLARS  
AWARDED

## TITLE OF RESEARCH PROPOSAL

GRANT NUMBER	PRINCIPAL INVESTIGATOR	THE EFFECTS OF APPLIED ELECTRIC FIELDS ON SURFACE FILMS	DOLLARS AWARDED
NEW YORK POTSDAM CLARISON COLLEGE OF TECHNOLOGY GM24068-01	PETHICA, BRIAN A LIPPERT, JOSEPH L	34,857	34,857
INSTITUTION TOTAL	1	34,857	
CITY TOTAL	1	34,857	

ROCHESTER INSTITUTE OF TECHNOLOGY GM24408-01	LIPPERT, JOSEPH L	RAMAN SPECTRAL STUDIES OF LIPID-PROTEIN INTERACTIONS	36,910
INSTITUTION TOTAL	1	36,910	
UNIVERSITY OF ROCHESTER AG00709-01	SPATARO, ANN C	THE DRUG SENSITIVITY OF AGING CELLS	12,000
INSTITUTION TOTAL	1	12,000	
CITY TOTAL	2	48,910	

SYRACUSE SYRACUSE UNIVERSITY CA20459-01A1	CHAN, SAMUEL H P GARVEY, JUSTINE S LIPSON, EDWARD D	ADENINE NUCLEOTIDE TRANSLOCATION IN TUMOR MITOCHONDRIA ANTIGEN METABOLISM IN MATURING AND SENESCENT ANIMALS SYSTEM ANALYSIS OF PHYCOMYCES PHOTOMUTANTS	39,366 56,761 34,114
INSTITUTION TOTAL	3	130,241	
CITY TOTAL	3	130,241	
STATE TOTAL	50	2,243,177	

NORTH CAROLINA CHAPEL HILL UNIVERSITY OF NORTH CAROLINA SYSTEM--UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL CA22093-01	HUTT, LINDSEY M MINKOFF, ROBERT	FUNCTIONS OF ATYPICAL LYMPHOCYTES ANALYSIS OF PRIMARY PALATE FORMATION	36,605 56,761 48,438
INSTITUTION TOTAL	2	85,043	
CITY TOTAL	2	85,043	

CULLOWHEE UNIVERSITY OF NORTH CAROLINA SYSTEM--WESTERN CAROLINA UNIVERSITY HL21176-01	LUMB, ROGER H	PHOSPHOLIPID EXCHANGE PROTEINS IN LUNG TISSUE	32,192
---	---------------	---	--------

\* INCLUDES DIRECT COST ONLY FOR NIH AWARDS

NIH  
RESEARCH GRANTS \*DOLLARS  
AWARDED

## GRANT NUMBER PRINCIPAL INVESTIGATOR TITLE OF RESEARCH PROPOSAL

INSTITUTION TOTAL	1	32,192
CITY TOTAL	1	32,192

NORTH CAROLINA  
DURHAM

DUKE UNIVERSITY AI144314-01	BUCKLEY, REBECCA H	HUMAN LYMPHOCYTE RESPONSES TO POLLEN ALLERGENS 39,222
AM20201-01	DEMPY, EUGENE D	AUTOIMMUNE PHENOMENA INDUCED BY STIALLYMUCINS IN THE RAT 47,717
EY01953-01	HEMPFL, FRANKLIN G	CYTOCHROME REDOX STATES IN FUNCTIONING RETINA 42,164
NS14256-01	ODOM, GUY L	CENTRAL NERVOUS SYSTEM--TRAUMA RESEARCH STATUS REPORT 15,219
HL21347-01	PRITCHETT, EDWARD L	ACCESSORY PATHWAYS AND SUPRAVENTRICULAR TACHYCARDIA 29,783
NS13455-01A1	ROSES, ALLEN D	BIOCHEMICAL STUDIES OF MEMBRANE PROTEINS IN DUCHENNE MD 49,269

INSTITUTION TOTAL	6	223,374
CITY TOTAL	6	223,374

RALEIGH UNIVERSITY OF NORTH CAROLINA SYSTEM--NORTH CAROLINA STATE UNIVERSITY AT RALEIGH AM20251-01	THEIL, ELIZABETH C	DEVELOPMENTAL REGULATION OF RED CELL FERRITIN CONTENT 40,179
--	--------------------	---

INSTITUTION TOTAL	1	40,179
CITY TOTAL	1	40,179

WINSTON-SALEM WAKE FOREST UNIVERSITY HL21260-01	RUDEL, LAWRENCE L	RISK FACTCR RELATIONSHIPS OF ATHEROSCLEROSIS 55,585
---	-------------------	--

INSTITUTION TOTAL	1	55,585
CITY TOTAL	1	55,585
STATE TOTAL	11	436,373

OHIO CINCINNATI UNIVERSITY OF CINCINNATI AI13702-01	BERNSTEIN, I LEONARD MANSON, JEANNE M	MITES AND ALGAE IN CLINICAL HOUSE DUST ALLERGY TERATOGENICITY OF CHLORINATED HYDROCARBON SOLVENTS 62,855 58,181
--	--	--

INSTITUTION TOTAL	2	121,036
CITY TOTAL	2	121,036

NIH  
RESEARCH GRANTS \*

## GRANT NUMBER PRINCIPAL INVESTIGATOR

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
OHIO			
CLEVELAND			
CASE WESTERN RESERVE UNIVERSITY			
HD11089-01	ADAM, PETER A	DISORDERED FETAL METABOLISM: ANTENATAL INTERVENTION	500,000
LM03028-01	GOPFMAN, WILLIAM	PROBLEM ORIENTED BILLIONERY	32,053
AM20272-01	NASH, CLYDE L., JR	EFFECTS OF SCOLIOSIS ON SPINAL DISC GEOMETRY	35,153
INSTITUTION TOTAL	3		567,206
CLEVELAND CLINIC HOSPITAL	GERRITY, ROSS G	THE STRUCTURE AND PERMEABILITY OF ARTERIAL ENDOTHELIUM	60,000
HL21438-01			
INSTITUTION TOTAL	1		60,000
CITY TOTAL	4		627,206
COLUMBUS			
OHIO STATE UNIVERSITY			
CA21751-01	KELLER, MARTIN D	A CANCER CENTER EPIDEMIOLOGY BIOSTATISTIC UNIT	25,000
AM20387-01	SPRECHER, HOWARD W	FACTORS MODIFYING BLOOD PLATELET FUNCTION IN DIABETICS	51,597
INSTITUTION TOTAL	2		76,597
CITY TOTAL	2		76,597
TOLEDO			
MEDICAL COLLEGE OF OHIO AT TOLEDO			
ES01599-01	ASKARI, AMIR	EFFECTS OF MERCURIAL POISONS ON $Na^+$ , $K^+$ -ATPASE	37,930
HL21196-01	RHEE, HEE S	DIGITALIS INDUCED ARRHYTHMIA AND $Na^+$ , $K^+$ -ATPASE ACTIVITY	28,528
INSTITUTION TOTAL	2		66,458
CITY TOTAL	2		66,458
STATE TOTAL	10		891,297
OKLAHOMA			
OKLAHOMA CITY			
UNIVERSITY OF OKLAHOMA HEALTH SCIENCES CENTER			
AM21347-01	EICHNER, EDWARD R	EFFECT OF ETHANOL AND OTHER DRUGS ON FOLATE METABOLISM	30,000
RR01098-01	HOLMES, DONALD D	ANIMAL RESOURCE DIAGNOSTIC LABORATORY	48,362
INSTITUTION TOTAL	2		78,362
CITY TOTAL	2		78,362
STATE TOTAL	2		78,362

\* INCLUDES DIRECT COST ONLY FOR NIH AWARDS

NIH  
RESEARCH GRANTS \*

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
OREGON EUGENE OREGON STATE HIGHER EDUCATION SYSTEM--UNIVERSITY OF OREGON GM24182-01	POSTLETHWAIT, JOHN H	DETERMINATION AND PATTERN FORMATION IN DROSOPHILA	53,276
INSTITUTION TOTAL	1		53,276
CITY TOTAL	1		53,276

PORTLAND MEDICAL RESEARCH FOUNDATION OF OREGON	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
YE02040-01	MALINOW, MANUEL R	RETINAL & CHOROIDAL ATHEROSCLEROSIS IN MONKEYS	40,731
INSTITUTION TOTAL	1		40,731
OREGON STATE HIGHER EDUCATION SYSTEM--UNIVERSITY OF OREGON HEALTH SCIENCES CENTER			
HD11251-01	BISSONNETTE, JOHN M	CONTROL OF FETAL BREATHING MOVEMENTS	32,385
YE02118-01	GIPSON, ILENE K	CELL MOTILITY AND ADHESION IN CORNEAL WOUND HEALING	62,377
HL21293-01	KLOSTER, FRANK E	RANDOMIZED STUDY OF CORONARY BYPASS SURGERY	48,233
HL21303-01	LAYMAN, DON L	COLLAGEN SYNTHESIS BY CULTURED HUMAN VASCULAR CELLS	60,660
NS12813-0142	RIKER, WILLIAM K	ANTICONVULSANT NEUROPHARMACOLOGY: SITE OF DRUG ACTION	37,920
GM24274-01	WYANDT, HERMAN E	SOMATIC STUDIES OF HUMAN RING CHROMOSOMES	59,760
INSTITUTION TOTAL	6		301,335
CITY TOTAL	7		342,066
STATE TOTAL	8		395,342
PENNSYLVANIA HAVERTY			
ES01572-01	LERMAN, CHARLES L	ACTIVE SITE OF DELTA-AMINOEVULINIC ACID DEHYDRATASE	20,500
INSTITUTION TOTAL	1		20,500
CITY TOTAL	1		20,500
HERSHEY PENNSYLVANIA STATE UNIVERSITY MILTON S. HERSHEY MEDICAL CENTER			
HL21209-01	LIEDTKE, A JAMES	ALTERATIONS OF METABOLISM IN ISCHEMIC MYOCARDIUM	62,209
AM19714-01	SCHOOLWARTH, ANTON C	MITOCHONDRIAL TRANSPORT AND RENAL AMMONIAGENESIS	40,645
INSTITUTION TOTAL	2		102,854
CITY TOTAL	2		102,854

NIH  
RESEARCH GRANTS \*

## GRANT NUMBER

## PRINCIPAL INVESTIGATOR

DOLLARS  
AWARDED

TITLE OF RESEARCH PROPOSAL		
PENNSYLVANIA		
PHILADELPHIA		
INSTITUTE FOR CANCER RESEARCH		
RR1103-01 EATON, GORDON J		88,950
GM21538-01A2 WEEKS, DONALD P		35,900
INSTITUTION TOTAL	2	124,850
MEDICAL COLLEGE OF PENNSYLVANIA		
NS13768-01 ROSS, LEONARD L		253,159
INSTITUTION TOTAL	1	253,159
PHILADELPHIA GERIATRIC CENTER		
AG00768-01 GRANICK, SAMUEL		60,557
INSTITUTION TOTAL	1	60,557
TEMPLE UNIVERSITY		
HL21128-01 DANIEL, JAMES L		27,175
CA21859-01 JOSEPH, ROSALINE R		14,226
INSTITUTION TOTAL	2	176,401
THOMAS JEFFERSON UNIVERSITY		
AG00691-01 KAJI, HIDEKO		42,250
HL21452-01 SPATH, JAMES A., JR		32,776
INSTITUTION TOTAL	2	75,026
UNIVERSITY OF PENNSYLVANIA		
AM19333-01 BLACK, JONATHAN		59,288
HD11273-01 DONOGHUE, SUSAN		21,995
GM24266-01 OPELIA, STANLEY J		27,368
HL21061-01 SHATTIL, SANFORD J		30,000
GM21766-01 VOET, DONALD H		30,000
INSTITUTION TOTAL	5	168,651
WISTAR INSTITUTE OF ANATOMY AND BIOLOGY		
AI14162-01 DOHERTY, PETER C		75,995
INSTITUTION TOTAL	1	75,995
CITY TOTAL	14	934,639

NIH  
RESEARCH GRANTS \*DOLLARS  
AWARDED

GRANT NUMBER PRINCIPAL INVESTIGATOR  
 PENNSYLVANIA  
 PITTSBURGH  
 EYE AND EAR HOSPITAL OF PITTSBURGH  
 EY01991-01 BROWN, STUART I  
 STUDY AND TREATMENT OF IMMUNE OCULAR DISEASES  
 INSTITUTION TOTAL 1 81,171

UNIVERSITY OF PITTSBURGH  
 RRO 1101-01 PEOPLE, HARRY E  
 GM23285-01A1 SUSSMAN, MAURICE  
 GM23516-01A1 WALSH, CHARLES J  
 CLINICAL DECISION SYSTEMS RESEARCH RESOURCE  
 ONTOGENY AND FUNCTION OF D. DISCOIDEUM ORGANELLES  
 GENE REGULATION DURING DIFFERENTIATION OF NAEGLERIA  
 INSTITUTION TOTAL 3 255,962  
 CITY TOTAL 4 337,133

UNIVERSITY PARK  
 PENNSYLVANIA STATE UNIVERSITY  
 GW24129-01 BENKOVIC, STEPHEN J  
 HL21283-01 GESELONTZ, DAVID B  
 AI14161-01 MC DONEL, JAMES L  
 HD11179-01 TURPEN, JAMES B  
 THE TRANSFORMYLASE ENZYMES  
 SIMULATION STUDIES OF THE ECG IN ACUTE ISCHEMIA  
 MECHANISM OF ACTION OF C. PERFRINGENS ENTEROTOXIN  
 DEVELOPMENTAL ANALYSIS OF LYMPHOPOIESIS  
 INSTITUTION TOTAL 4 204,335  
 CITY TOTAL 4 204,335  
 STATE TOTAL 25 1,599,461

RHODE ISLAND  
 KINGSTON  
 GORDON RESEARCH CONFERENCES  
 GM24050-01 BAER, JOHN E  
 GM24371-01 FINK, GERALD R  
 GORDON RESEARCH CONFERENCE ON DRUG METABOLISM, 1977  
 GORDON CONFERENCE ON BIOLOGICAL REGULATORY MECHANISMS  
 INSTITUTION TOTAL 2 7,500  
 CITY TOTAL 2 7,500  
 STATE TOTAL 2 7,500

SOUTH CAROLINA  
 CLEMSON  
 CLEMSON UNIVERSITY  
 AM20483-01 COOKE, FRANCIS W  
 PMMA STRENGTH, SURGICAL TECHNIQUE & IMPLANT FRACTURE  
 29,916

NIH  
RESEARCH GRANTS \*

## GRANT NUMBER

## PRINCIPAL INVESTIGATOR

## SOUTH CAROLINA

CLEMSON  
CLEMSON UNIVERSITY  
AM19820-01

14,849

PARK, JOON B  
INSTITUTION TOTAL  
CITY TOTAL

14,849

2  
244,765  
44,765

## COLUMBIA

UNIVERSITY OF SOUTH CAROLINA  
CA1260-01A2

18,024

ANNA, ELMER L

18,024

INSTITUTION TOTAL

1

18,024

CITY TOTAL

1

18,024

STATE TOTAL

3

62,789

## COLUMBIA

UNIVERSITY OF SOUTH CAROLINA  
CA1260-01A2

18,024

ANNA, ELMER L

18,024

INSTITUTION TOTAL

2

58,150

CITY TOTAL

2

58,150

## TENNESSEE

KNOXVILLE  
UNIVERSITY OF TENNESSEE SYSTEM--UNIVERSITY OF TENNESSEE AT KNOXVILLE  
AI14367-01 BRIAN, DAVID A  
HL21369-01 CLARK, JEFFREY N29,500  
28,650

## NASHVILLE

ST. JUDE CHILDREN'S RESEARCH HOSPITAL  
AI14293-01 BEAN, WILLIAM J, JR

28,892

ST. JUDE CHILDREN'S RESEARCH HOSPITAL  
AI14293-01 BEAN, WILLIAM J, JR

28,892

INSTITUTION TOTAL

1

28,892

## NASHVILLE

VANDERBILT UNIVERSITY  
ES01590-01 GUENGERICH, F PETER43,260  
47,244  
98,589INSTITUTION TOTAL  
CITY TOTAL3  
4189,093  
217,985NASHVILLE  
VANDERBILT UNIVERSITY  
ES01590-01 GUENGERICH, F PETER

67,970

\* INCLUDES DIRECT COST ONLY FOR NIH AWARDS

NIH  
RESEARCH GRANTS \*

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
TENNESSEE NASHVILLE VANDERBILT UNIVERSITY HL2070-01	SHAND, DAVID G	TREATMENT OF VENTRICULAR ARRHYTHMIAS WITH PROPANOLOL	89,371
INSTITUTION TOTAL CITY TOTAL	2 2	157,341 157,341	
STATE TOTAL	8	433,476	
TEXAS ARLINGTON UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS AT ARLINGTON HL21426-01	GATCHEL, ROBERT J	INVESTIGATION OF LEARNED HEART-RATE CONTROL	32,790
INSTITUTION TOTAL CITY TOTAL	1 1	32,790 32,790	
AUSTIN UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS AT AUSTIN NS13764-01 HD11113-01 NS13276-01A1 AM20270-01	DIEHL, RANDY L HAWKINS, RAYMOND C, II POLLAK, GEORGE D WANG, KUAN	SELECTIVE ADAPTATION TO SPEECH SOUNDS PSYCHOSOCIAL RISKS DURING PREGNANCY AND EARLY INFANCY A SINGLE UNIT ANALYSIS OF THE AUDITORY SYSTEM CONTRACTILE PROTEINS AND GROWTH CONTROL OF EUKARYOTES	26,828 25,000 36,108 55,370
INSTITUTION TOTAL CITY TOTAL	4 4	143,306 143,306	
COLLEGE STATION TEXAS AGRICULTURAL AND MECHANICAL UNIVERSITY SYSTEM--TEXAS AGRICULTURAL AND MECHANICAL UNIVERSITY GM23877-01 HL21498-01	ADAMS, EDWY T, JR GRANGER, HARRIS J	BILE SALT SYSTEMS--INTERACTIONS AND CATALYSES PATHOPHYSIOLOGY OF EDEMA	76,233 40,127
INSTITUTION TOTAL CITY TOTAL	2 2	116,360 116,360	
DALLAS UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT DALLAS AI14742-01A2 HL20594-01 HL20948-01	CAPRA, J DONALD ERDOS, ERVIN G GOLDSTEIN, JOSEPH L	STUDIES ON THE H-2 LINKED SS PROTEIN AND HUMAN C4 RENAL ENZYMES THAT REGULATE BLOOD PRESSURE MOLECULAR BASIS OF CHOLESTEROL METABOLISM	59,241 65,688 412,469

\* INCLUDES DIRECT COST ONLY FOR NIH AWARDS

## GRANT NUMBER PRINCIPAL INVESTIGATOR

TEXAS		TITLE OF RESEARCH PROPOSAL	
DALLAS			
UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT DALLAS			
HD11149-01 MAC DONALD, PAUL C		INITIATION OF HUMAN LABOR: PREVENTION OF PREMATURITY	355,498
RRO1105-01 PAKES, STEVEN P		IMPROVEMENT OF ANIMAL RESOURCES	80,690
CA22034-01 SMITH, R GRAHAM		DIFFERENTIATION ANTIGENS OF HUMAN LYMPHOBLASTOID CELLS	28,046
RRO1133-01 STREILSIN, J WAYNE		PRODUCTION OF SYRIAN HAMSTER CONGENIC STRAINS	38,475
INSTITUTION TOTAL	7		1,040,107
CITY TOTAL	7		1,040,107
GALVESTON			
UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS MEDICAL BRANCH AT GALVESTON			
HL13127-01 BOOR, PAUL J		MOLECULAR MECHANISMS OF CHEMICAL MYOCARDIOPATHIES	32,032
CA18677-01A2 HABER, BERNARD		PURIFICATION CP ENDOTHELIAL MITOGEN CNS TUMOR ORIGIN	44,509
AG00757-01 PARKENING, TERRY A		OVARIAN MORPHOLOGY AND FUNCTION IN THE AGED MOUSE	12,000
AI14245-01 SCHALSTIEG, FRANK C, JR		A SERUM INHIBITOR OF LYMPHOCYTE MOTILITY	29,998
INSTITUTION TOTAL	4		118,539
CITY TOTAL	4		118,539
HOUSTON			
BAYLOR COLLEGE OF MEDICINE			
GM23905-01 HOLMQUIST, GERALD P		G-BANDING MECHANISMS IN MAMMALIAN CHROMOSOMES	60,708
GM23517-01 TERMAN, DAVID S		IMMUNOADSORBENTS FOR SPECIFIC IMMUNOTHERAPY	55,829
INSTITUTION TOTAL	2		116,537
UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT HOUSTON			
AM19531-01 RAY, TUSHAR K		BIOCHEMICAL ASPECTS OF H <sup>+</sup> TRANSPORT FROM STOMACH	38,944
INSTITUTION TOTAL	1		38,944
UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS SYSTEM CANCER CENTER			
CA21784-01 GUINEE, VINCENT F		EXPLORATORY STUDIES ON CANCER PATIENT DATA CONTROL	68,551
FM20383-01 SAUNDERS, GRADY F		INSULIN GENE EXPRESSION DURING PANCREAS DEVELOPMENT	42,676
INSTITUTION TOTAL	2		111,227
CITY TOTAL	5		266,708
LUBBOCK			
TEXAS TECH UNIVERSITY			
HL121257-01 OREN, JOHN M		BREATHING IN SLEEP: AIRWAY CONTROL AND BLOOD GASES	20,838

NIH  
RESEARCH GRANTS \*

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
TEXAS LUBBOCK TEXAS TECH UNIVERSITY GM23765-01	ROBINSON, G WILSE	SUBNANOSECOND PRIMARY EVENTS IN BIOLOGY	33,849
INSTITUTION TOTAL CITY TOTAL	2 2	54,687 54,687	
SAN ANTONIO UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT SAN ANTONIO GM24365-01	SERWER, PHILLIP	BIOPHYSICS AND GENETICS OF VIRAL DNA PACKAGING	39,438
INSTITUTION TOTAL CITY TOTAL	1 1	39,438 39,438	
STATE TOTAL	26	1,811,935	
UTAH SALT LAKE CITY UTAH STATE HIGHER EDUCATION SYSTEM--UNIVERSITY OF UTAH NS13988-01	JOHANSON, CONRAD E	ONTOGENY OF HOMEOSTATIC TRANSPORT IN CHOROID PLEXUS	16,340
NS13988-01	RINGHAM, GARY L	CALCIUM AND TRANSMITTER RELEASE AT A CENTRAL SYNAPSE	37,596
GM24029-01	SORENSEN, JAMES A	MOVING-SLIT RADIOGRAPHY: X-RAY CONTRAST ENHANCEMENT	73,300
HL21203-01	SYNHORN, DAVID P	EFFECT OF VASOACTIVE AGENTS ON LEFT-TO-RIGHT SHUNTS	34,606
HL21088-01	WILLIAMS, ROGER R	GENETIC PATTERNS IN DEATHS FROM MI AND STROKE IN UTAH	81,220
INSTITUTION TOTAL CITY TOTAL	5 5	243,062 243,062	
STATE TOTAL	5	243,062	
VIRGINIA BLACKBURG VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY AG00677-01	RUTHERFORD, CHARLES L	ALTERNATE PATHWAYS IN CELLULAR AGING	30,257
INSTITUTION TOTAL CITY TOTAL	1 1	30,257 30,257	
CHARLOTTESVILLE UNIVERSITY OF VIRGINIA AI19240-01	HENDLEY, J OWEN	CHARACTERIZATION OF THE CAPSULE ON NEISSERIA GONORRHOEAE	29,780

\* INCLUDES DIRECT COST ONLY FOR NIH AWARDS

GRANT NUMBER **PRINCIPAL INVESTIGATOR** TITLE OF RESEARCH PROPOSAL

AWARDED

VIRGINIA CHARLOTTESVILLE UNIVERSITY OF VIRGINIA AM24313-01 AM20520-01	MILLER, EDWARD D PAULSEN, ELSA P	ANESTHETICS - RENIN - SYMPATHETIC NERVOUS SYSTEM COMPARATIVE STUDIES OF THREE FORMS OF CHILDHOOD DIABETES	32,579 39,769
INSTITUTION TOTAL	3		102,128
CITY TOTAL	3		102,128
 NORFOLK EASTERN VIRGINIA MEDICAL AUTHORITY--EASTERN VIRGINIA MEDICAL SCHOOL HL21083-01	CASTLE, MANFORD C	PHARMACOKINETICS OF DIGOXIN AND DIGITOXIN IN HUMANS	31,996
INSTITUTION TOTAL	1		31,996
CITY TOTAL	1		31,996
 RICHMOND VIRGINIA COMMONWEALTH UNIVERSITY CA22032-01 AM20317-01 GM24885-01 DE04700-01	HAZRA, TAPAN A LITTMAN, BRUCE H MARTINEZ-CARRION, MARINO MURRAY, BYRON K	CLINICAL CANCER EDUCATION PROGRAM REGULATION OF CELLULAR COOPERATION BY SOLUBLE FACTORS PROBES OF MOLECULAR FUNCTION IN PYRIDOXAL ENZYME VACCINATION AGAINST ORAL HERPETIC LESIONS	146,481 29,935 50,393 56,668
INSTITUTION TOTAL	4		283,477
CITY TOTAL	4		283,477
STATE TOTAL	9		447,858
 WASHINGTON PULLMAN WASHINGTON STATE UNIVERSITY AG00674-01	DAYTON, WILLIAM L	EFFECTS OF AGING ON DRUG BIOAVAILABILITY	11,982
INSTITUTION TOTAL	1		11,982
CITY TOTAL	1		11,982
 SEATTLE UNIVERSITY OF WASHINGTON DETWILER, PETER B LUND, RAYMOND D REICHENBACH, DENNIS D		A STUDY OF ELECTRICAL COUPLING IN VERTEBRATE RETINA TRANSPLANTATION STUDIES OF THE RAT VISUAL SYSTEM ELECTROCARDIOGRAPHIC QUANTIFICATION OF INFARCT SIZE	49,634 70,485 18,984

INCLUDES DIRECT COST ONLY FOR NIH AWARDS

NIH  
RESEARCH GRANTS \*DOLLARS  
AWARDED

## GRANT NUMBER PRINCIPAL INVESTIGATOR

WASHINGTON  
SEATTLE  
UNIVERSITY OF WASHINGTON  
HL18931-01A1 RICHMOND, VIRGINIA L  
GM23910-01 SHAPIRO, BENNETT M  
AM20284-01 SMITH, PHILLIP H  
RR01095-01 VAN HOSSIER, GERALD L, JR  
ANIMAL RESOURCES DEVELOPMENT

INSTITUTION TOTAL 7 649,050

VIRGINIA MASON RESEARCH CENTER  
HL20773-01 HILDEBRANDT, JACOB  
INSTITUTION TOTAL 1 26,290  
CITY TOTAL 8 675,340  
STATE TOTAL 9 687,322

WISCONSIN  
KENOSHA  
UNIVERSITY OF WISCONSIN SYSTEM--UNIVERSITY OF WISCONSIN-PARKSIDE  
GM22543-01A2 CHEN, CHONG-MAW  
MOLECULAR CONTROL OF CELL DIVISION AND DIFFERENTIATION

INSTITUTION TOTAL 1 14,550  
CITY TOTAL 1 14,550

MADISON  
UNIVERSITY OF WISCONSIN SYSTEM--UNIVERSITY OF WISCONSIN-MADISON  
GM24109-01 CRAVEN, GARY R  
FY02034-01 DE VENECIA, GUILLERMO B  
CA22140-01 NORBACK, DIANE H  
HL21646-01 O'BRIEN, JOHN F  
NS13453-01A1 ROYCE, GEORGE J  
AM20120-01 SMITHIES, OLIVER  
CA21790-01 TAKAYAMA, KUNI K  
DNA CONTROLLING THE SYNTHESIS OF HUMAN HBPF AND HBA  
ANTITUMOR ACTIVITY OF GLYCOLIPID-ENDOTOXIN MIX

INSTITUTION TOTAL 7 373,516  
CITY TOTAL 7 373,516

MILWAUKEE  
MEDICAL COLLEGE OF WISCONSIN  
HL21434-01 STONE, DAVID F  
INTRINSIC CONTROL OF CORONARY BLOOD FLOW BY CHEMICALS

INSTITUTION TOTAL 1 28,890

\* INCLUDES DIRECT COST ONLY FOR NIH AWARDS

NIH  
RESEARCH GRANTS \*DOLLARS  
AWARDED

## GRANT NUMBER PRINCIPAL INVESTIGATOR TITLE OF RESEARCH PROPOSAL

CITY TOTAL 1 28,890

STATE TOTAL 9 416,956

## PUERTO RICO

SAN JUAN  
UNIVERSITY OF PUERTO RICO MEDICAL SCIENCES  
AM19989-01  
MAHGOUB, AHMEDEFFECTS OF VITAMIN D<sub>3</sub> METABOLITES ON BONE, IN VITRO

INSTITUTION TOTAL 1 46,032

CITY TOTAL 1 46,032

STATE TOTAL 1 46,032

## CANADA

LONDON  
UNIVERSITY OF WESTERN ONTARIO  
NS14164-01  
ES01535-01  
HENRY J  
BARNETT, HENRY J  
CHERIAN, M GEORGEEXTRACRANIAL/INTRACRANIAL ARTERIAL ANASTOMOSIS STUDY  
NATURE OF LEAD AND MERCURY BINDING NUCLEAR PROTEINS

INSTITUTION TOTAL 2 212,512

CITY TOTAL 2 212,512

MONTREAL  
JEWISH GENERAL HOSPITAL  
GM23763-01  
PERDUE, JAMES FCONTROL OF CELL GROWTH BY MITOGEN RECEPTORS  
53,402

INSTITUTION TOTAL 1 53,402

CITY TOTAL 1 53,402

STATE TOTAL 3 265,914

TOTAL 404

21,476,903

200,000  
12,512

53,402

NIH  
RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	DOLLARS AWARDED
ARIZONA			
TUCSON			
UNIVERSITY OF ARIZONA	MEINKE, WILLIAM J	DETECT VIRAL GENOMES IN HUMAN NEUROLOGICAL DISEASES	120,804
NS72364-00			
INSTITUTION TOTAL	1	120,804	
CITY TOTAL	1	120,804	
STATE TOTAL	1	120,804	
CALIFORNIA			
LOS ANGELES			
COMMUNITY CANCER CONTROL	PICK, RUTH ANN	COMMUNITY-BASED CANCER CONTROL PROGRAM	232,232
CN75400-00			
INSTITUTION TOTAL	1	232,232	
UNIVERSITY OF SOUTHERN CALIFORNIA			
AM72218-00	MASSRY, SHAUL G	ROLE OF PARATHYROID AS A UREMIC TOXIN	68,890
INSTITUTION TOTAL	1	68,890	
CITY TOTAL	2	301,122	
MENLO PARK			
STANFORD RESEARCH INSTITUTE INTERNATIONAL		DEVELOP AND TEST NEW BIODEGRADABLE DRUG DELIVERY SYSTEMS	149,786
HD72826-00	HELLER, JORGE		
INSTITUTION TOTAL	1	149,786	
CITY TOTAL	1	149,786	
STATE TOTAL	3	450,908	
ILLINOIS			
CHICAGO			
UNIVERSITY OF CHICAGO	FRIED, JOSEF	LUTEOLYTIC PROSTAGLANDIN ANALOGS--SYNTHESIS/BIOL TESTING	137,214
HD72816-00			
INSTITUTION TOTAL	1	137,214	
CITY TOTAL	1	137,214	
STATE TOTAL	1	137,214	

## RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	DOLLARS AWARDED
<b>INDIANA</b>			
INDIANAPOLIS METHODIST HOSPITAL OF INDIANA CN75393-00	DUGAN, WILLIAM M	CLINICAL ONCOLOGY PROGRAM	137,711
INSTITUTION TOTAL	1		137,711
CITY TOTAL	1		137,711
STATE TOTAL	1		137,711
<b>MARYLAND</b>			
KENSINGTON LITTON INDUSTRIES--LITTON BIONETICS CB74087-00	CANNON, GRACE B	REACTIONS BETWEEN BREAST CANCER AND MAMMARY TUMOR VIRUS	118,337
INSTITUTION TOTAL	1		118,337
CITY TOTAL	1		118,337
STATE TOTAL	1		118,337
<b>MASSACHUSETTS</b>			
BOSTON NEW ENGLAND MEDICAL CENTER HOSPITAL CB74104-00	GORBACH, SHERWOOD L	RELATION OF INTESTINAL FLORA TO BREAST CANCER IN HUMANS	97,000
INSTITUTION TOTAL	1		97,000
CITY TOTAL	1		97,000
STATE TOTAL	1		97,000
<b>MICHIGAN</b>			
ANN ARBOR UNIVERSITY OF MICHIGAN HB72916-00	BREWER, GEORGE J	CRISIS & PAIN SYMPTOM PROPHYLAXIS BY ORAL ZINC THERAPY	80,578
INSTITUTION TOTAL	1		80,578
CITY TOTAL	1		80,578
STATE TOTAL	1		80,578
<b>MONTANA</b>			
HAMILTON HAMILTON BIOCHEMICAL RESEARCH LABORATORY AI72525-00	PARKER, RENO	PRODUCTION OF LIPOPOLYSACCHARIDES (ENDOTOXINS)	52,445

NIH  
RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	DOLLARS AWARDED
INSTITUTION TOTAL	1		52,445
CITY TOTAL	1		52,445
STATE TOTAL	1		52,445
NEW MEXICO ALBUQUERQUE UNIVERSITY OF NEW MEXICO CB74203-00	YUHAS, JOHN M	STUDIES ON METHODS TO PREDICT CHEMOTHERAPY SENSITIVITY	96,300
INSTITUTION TOTAL	1		96,300
CITY TOTAL	1		96,300
STATE TOTAL	1		96,300
NEW YORK NEW YORK NEW YORK UNIVERSITY CB74103-00	PASTERACK, BERNARD S	BREAST CANCER IN INITIALLY ASYMPTOMATIC WOMEN	111,300
INSTITUTION TOTAL	1		111,300
CITY TOTAL	1		111,300
ROCHESTER UNIVERSITY OF ROCHESTER AI72523-00	SMITH, DAVID H	STUDIES ON HEMOPHILUS INFLUENZAE B VACCINE	148,914
INSTITUTION TOTAL	1		148,914
CITY TOTAL	1		148,914
STATE TOTAL	2		260,214
PENNSYLVANIA ALLENTOWN ALLENTOWN HOSPITAL ASSOCIATION CN75394-00	PRAGER, DAVID	CLINICAL ONCOLOGY PROGRAM	130,353
INSTITUTION TOTAL	1		130,353
CITY TOTAL	1		130,353

NIH  
RESEARCH CONTRACTSDOLLARS  
AWARDED

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	DOLLARS AWARDED
PENNSYLVANIA			
PITTSBURGH			
ALLEGHENY GENERAL HOSPITAL			
CB74083-00	SCHIFFER, LEWIS M	STUDIES ON METHODS TO PREDICT CHEMOTHERAPY SENSITIVITY	98,000
INSTITUTION TOTAL	1		98,000
CITY TOTAL	1		98,000
STATE TOTAL	2		228,353
RHODE ISLAND			
PROVIDENCE			
RHODE ISLAND	DEPARTMENT OF HEALTH	COMMUNITY-BASED CANCER CONTROL PROGRAM	269,200
CN75215-00	SIMONE, FIORINDO A		
INSTITUTION TOTAL	1		269,200
CITY TOTAL	1		269,200
STATE TOTAL	1		269,200
TEXAS			
HOUSTON			
UNIVERSITY OF TEXAS SYSTEM	UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT HOUSTON	ANTIBODY TO STREPTOCOCCUS MUTANS IN XEROSTOMIA PATIENTS	34,795
DE72402-00	BROWN, LEE R		
INSTITUTION TOTAL	1		34,795
CITY TOTAL	1		34,795
SAN ANTONIO			
SOUTHWEST TEXAS METHODIST HOSPITAL		CLINICAL ONCOLOGY PROGRAM	112,010
CN75396-00	WHITECAR, JOHN P		
INSTITUTION TOTAL	1		112,010
CITY TOTAL	1		112,010
STATE TOTAL	2		146,805
UTAH			
SALT LAKE CITY			
UTAH STATE CITY	HIGHER EDUCATION SYSTEM	UNIVERSITY OF UTAH SYSTEM TO REMOVE UREA FROM DIALYZING FLUID	78,729
AN72210-00	KOLIF, W J		

NIH  
RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	DOLLARS AWARDED
UTAH SALT LAKE CITY UTAH STATE HIGHER EDUCATION SYSTEM--UNIVERSITY OF UTAH HD72824-00	PETERSON, ROBERT V	TEST OF NEW BIODEGRADABLE DRUG DELIVERY SYSTEMS	124,612
INSTITUTION TOTAL	2	203,341	
CITY TOTAL	2	203,341	
STATE TOTAL	2	203,341	
VIRGINIA SPRINGFIELD REVLON, INC. --MELOY LABORATORIES CB74139-00	BLACKMAN, KENNETH E	GROWTH OF NORMAL AND TUMOR VIRUS CELLS	79,861
INSTITUTION TOTAL	1	79,861	
CITY TOTAL	1	79,861	
STATE TOTAL	1	79,861	
WASHINGTON SEATTLE UNIVERSITY OF WASHINGTON AM72215-00	ODLAND, GEORGE	ANALYZE PRIORITIES & NEEDS FOR RESEARCH IN DERMATOLOGY	123,623
INSTITUTION TOTAL	1	123,623	
CITY TOTAL	1	123,623	
STATE TOTAL	1	123,623	
WISCONSIN MILWAUKEE MEDICAL COLLEGE OF WISCONSIN CB74110-00	WILKINSON, EDWARD J	OCCULT BREAST CANCER METASTASES IN AXILLARY LYMPH NODES	108,500
INSTITUTION TOTAL	1	108,500	
CITY TOTAL	1	108,500	
STATE TOTAL	1	108,500	
ISRAEL TEL HASHOMER CHIHAM SHEBA MEDICAL CENTER CB74102-00	MODAN, BARUCH	EPIDEMIOLOGY OF BENIGN BREAST DISEASE	51,543

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	DOLLARS AWARDED
INSTITUTION TOTAL	1		51,543
CITY TOTAL	1		51,543
STATE TOTAL	1		51,543
TOTAL	24		2,762,737

NIH  
RESEARCH CONTRACTS

NIH  
RESEARCH TRAINING GRANTS

GRANT NUMBER	PROGRAM	DIRECTOR	TITLE OF PROGRAM	DOLLARS AWARDED
ALABAMA BIRMINGHAM UNIVERSITY OF ALABAMA IN BIRMINGHAM GM07561-01 RR07003-01	ACTON, RONALD T LINDSEY, J RUSSELL		PATHOLOGY OF MEMBRANES AND ORGANELLES LABORATORY ANIMAL MEDICINE/COMPARATIVE PATHOLOGY	70,444 56,473
INSTITUTION TOTAL	2		126,917	
CITY TOTAL	2		126,917	
STATE TOTAL	2		126,917	
ARIZONA TUCSON UNIVERSITY OF ARIZONA	BRESSLER, RUBIN GM07533-01		CLINICAL PHARMACOLOGY	82,806
INSTITUTION TOTAL	1		82,806	
CITY TOTAL	1		82,806	
STATE TOTAL	1		82,806	
CALIFORNIA BERKELEY UNIVERSITY OF CALIFORNIA AT BERKELEY HL07279-01 AM07155-01A1	FORTE, GERTRUDE M MARGEN, SHELDON		LIPOPROTEIN METHODOLOGY, STRUCTURE AND FUNCTION HUMAN NUTRITION	36,691 40,890
INSTITUTION TOTAL	2		77,581	
CITY TOTAL	2		77,581	
DAVIS UNIVERSITY OF CALIFORNIA AT DAVIS ES07055-01	DUNGWORTH, DONALD L		ENVIRONMENTAL PATHOLOGY	52,527
INSTITUTION TOTAL	1		52,527	
CITY TOTAL	1		52,527	
LA JOLLA UNIVERSITY OF CALIFORNIA AT SAN DIEGO HL07276-01	STEINBERG, DANIEL		LIPIDS, LIPOPROTEINS AND ATHEROSCLEROSIS	68,468
INSTITUTION TOTAL	1		68,468	
CITY TOTAL	1		68,468	

GRANT NUMBER	PROGRAM DIRECTOR	NIH RESEARCH TRAINING GRANTS	
		TITLE OF PROGRAM	DOLLARS AWARDED
CALIFORNIA LOS ANGELES CHILDREN'S HOSPITAL OF LOS ANGELES AM07262-01	HANSON, VIRGIL	PEDIATRIC RHEUMATOLOGY	19,511
INSTITUTION TOTAL	1		19,511
UNIVERSITY OF CALIFORNIA AT LOS ANGELES HD07032-01	TARJAN, GEORGE	MENTAL RETARDATION	141,960
INSTITUTION TOTAL	1		141,960
CITY TOTAL	2		161,471
STANFORD STANFORD UNIVERSITY HL07265-01 AI07089-01	HARRISON, DONALD C MERIGAN, THOMAS C	INVESTIGATIVE CARDIOLOGY INFECTIOUS DISEASES (MICROBES, DRUGS AND HOST)	127,500 83,685
INSTITUTION TOTAL	2		211,185
CITY TOTAL	2		211,185
TORRANCE LOS ANGELES COUNTY HEALTH SERVICES DEPARTMENT-LOS ANGELES COUNTY HARBOR GENERAL HOSPITAL GM0714-01	RIMONIN, DAVID L	MEDICAL GENETICS	19,489
INSTITUTION TOTAL	1		19,489
CITY TOTAL	1		19,489
STATE TOTAL	9		590,721
COLORADO BOULDER UNIVERSITY OF COLORADO AT BOULDER HD07077-01	PORTER, KEITH R	BIOMEDICAL SCIENCES (NORMAL AND ABNORMAL DEVELOPMENT)	32,252
INSTITUTION TOTAL	1		32,252
CITY TOTAL	1		32,252
STATE TOTAL	1		32,252
CONNECTICUT NEW HAVEN YALE UNIVERSITY AM07259-01	BOULPAEP, EMILE L	TRANSPORT PROCESSES IN BIOLOGICAL SYSTEMS	38,504

NIH  
RESEARCH TRAINING GRANTS

GRANT NUMBER	PROGRAM DIRECTOR	TITLE OF PROGRAM	DOLLARS AWARDED
<b>CONNECTICUT</b>			
NEW HAVEN			
YALE UNIVERSITY GM07562-01	MARCHESSI, VINCENT T PATTON, CURTIS L	EXPERIMENTAL AND HUMAN PATHOBIOLOGY PARASITOLOGY (INTERDISCIPLINARY)	70,772
AI07136-01	SHOPE, ROBERT E	VIRAL DISEASE MECHANISMS, EPIDEMIOLOGY, AND CONTROL	32,582
AI07098-01	TALNER, NORMAN S	POSTNATAL DEVELOPMENT OF CARDIOVASCULAR FUNCTION	54,027
HL07272-01	WARSHAW, JOSEPH B	RESEARCH IN PERINATAL MEDICINE	61,018
HD07094-01			37,709
INSTITUTION TOTAL	6	294,612	
CITY TOTAL	6	294,612	
STATE TOTAL	6	294,612	
<b>ILLINOIS</b>			
EVANSTON			
NORTHWESTERN UNIVERSITY GM07350-01A1	JACOBS, JOHN E	BIOMEDICAL ENGINEERING	4,027
INSTITUTION TOTAL	1	4,027	
CITY TOTAL	1	4,027	
STATE TOTAL	1	4,027	
<b>IAWA</b>			
IAWA CITY			
UNIVERSITY OF IOWA AM07140-01	STEINMETZ, PHILIP R	EPITHELIAL TRANSPORT AND RENAL PATHOPHYSIOLOGY	37,851
INSTITUTION TOTAL	1	37,851	
CITY TOTAL	1	37,851	
STATE TOTAL	1	37,851	
<b>LOUISIANA</b>			
NEW ORLEANS			
LOUISIANA STATE UNIVERSITY MEDICAL CENTER AT NEW ORLEANS NS07058-01A1	BERLIN, CHARLES I	AUDITORY PHYSIOLOGY AND ANATOMY	57,645
INSTITUTION TOTAL	1	57,645	
CITY TOTAL	1	57,645	
STATE TOTAL	1	57,645	

NIH  
RESEARCH TRAINING GRANTS

GRANT NUMBER	PROGRAM DIRECTOR	TITLE OF PROGRAM	DOLLARS AWARDED
MARYLAND			
BALTIMORE			
JOHNS HOPKINS UNIVERSITY			
HD07103-01	HARRINGTON, WILLIAM F	MOLECULAR AND CELLULAR ASPECTS OF DEVELOPMENT	85,699
RRO7002-01	STRANDBERG, JOHN D	LABORATORY ANIMAL MEDICINE AND PATHOLOGY	56,367
INSTITUTION TOTAL	2		142,066
CITY TOTAL	2		142,066
STATE TOTAL	2		142,066
MASSACHUSETTS			
BOSTON			
BOSTON UNIVERSITY			
HL07291-01	SMALL, DONALD M	LIPOPROTEINS & ATHEROSCLEROTIC LESIONS PHYSICAL CHEM	50,116
INSTITUTION TOTAL	1		50,116
HARVARD UNIVERSITY			
AM07112-01	GLIMCHER, MELVIN J	ACADEMIC ORTHOPEDICS	39,057
INSTITUTION TOTAL	1		39,057
JOSLIN DIABETES FOUNDATION			
AM07260-01	CAHILL, GEORGE F, JR	DIABETES AND METABOLISM	55,568
INSTITUTION TOTAL	1		55,568
MASSACHUSETTS GENERAL HOSPITAL			
AM07258-01	KRANE, STEPHEN M	CONNECTIVE TISSUE STRUCTURE, FUNCTION AND DISEASE	39,715
INSTITUTION TOTAL	1		39,715
CITY TOTAL	4		184,456
WALTHAM			
BRANDEIS UNIVERSITY			
AI07069-01	NISONOFF, ALFRED	INVESTIGATION OF MECHANISMS IN THE IMMUNE RESPONSE	50,354
INSTITUTION TOTAL	1		50,354
CITY TOTAL	1		50,354
STATE TOTAL	5		234,810

NIH  
RESEARCH TRAINING GRANTS

GRANT NUMBER	PROGRAM DIRECTOR	TITLE OF PROGRAM	DOLLARS AWARDED
MICHIGAN ANN ARBOR UNIVERSITY OF MICHIGAN RR07008-01	COHEN, BENNETT J	LABORATORY ANIMAL SCIENCE AND MEDICINE	76,641
INSTITUTION TOTAL	1		76,641
CITY TOTAL	1		76,641
DETROIT WAYNE STATE UNIVERSITY E107034-01	HARDING, CLIFFORD V	CELLULAR BASIS OF OCULAR DISORDERS	37,283
INSTITUTION TOTAL	1		37,283
CITY TOTAL	1		37,283
STATE TOTAL	2		113,924
MISSISSIPPI JACKSON UNIVERSITY OF MISSISSIPPI MEDICAL CENTER ES07045-01	HAYES, A WALLACE	TOXICOLOGY	58,600
INSTITUTION TOTAL	1		58,600
CITY TOTAL	1		58,600
STATE TOTAL	1		58,600
MISSOURI COLUMBIA UNIVERSITY OF MISSOURI-COLUMBIA GM07494-01 RR07004-01	EISENSTARK, ABRAHAM MIDDLETON, CHARLES C	GENETICS LABORATORY ANIMAL MEDICINE	36,437 55,409
INSTITUTION TOTAL	2		91,846
CITY TOTAL	2		91,846
UNIVERSITY CITY WASHINGTON UNIVERSITY AM07226-01	SHANK, ROBERT E	NUTRITION	39,057
INSTITUTION TOTAL	1		39,057
CITY TOTAL	1		39,057

NIH  
RESEARCH TRAINING GRANTS

GRANT NUMBER	PROGRAM DIRECTOR	TITLE OF PROGRAM	DOLLARS AWARDED
STATE TOTAL	3		130,903
NEW YORK			
BUFFALO			
STATE UNIVERSITY OF NEW YORK AT BUFFALO			
A107088-01	MILGROM, FELIX	IMMUNOLOGY	60,657
INSTITUTION TOTAL	1		60,657
CITY TOTAL	1		60,657
ITHACA			
CORNELL UNIVERSITY	ZILVERSMIT, DONALD B	NUTRITIONAL ASPECTS OF ARTERIOSCLEROSIS	49,066
HL07245-01			49,066
INSTITUTION TOTAL	1		49,066
CITY TOTAL	1		49,066
NEW YORK			
CITY UNIVERSITY OF NEW YORK--MOUNT SINAI SCHOOL OF MEDICINE			
HD07105-01	HIRSCHHORN, KURT	MENTAL RETARDATION AND DEVELOPMENTAL DISABILITIES	103,381
INSTITUTION TOTAL	1		103,381
COLUMBIA UNIVERSITY	HOFFMAN, BRIAN F	CARDIAC ARRHYTHMIAS: MECHANISMS AND TREATMENT	55,332
HL07271-01			55,332
INSTITUTION TOTAL	1		55,332
CORNELL UNIVERSITY MEDICAL CENTER			
GM07488-01	REIDENBERG, MARCUS M	CLINICAL PHARMACOLOGY	18,049
INSTITUTION TOTAL	1		18,049
NEW YORK UNIVERSITY	DEFENDI, VITTORIO	BASIC PATHOBIOLOGY	72,570
GM07552-01			72,570
INSTITUTION TOTAL	1		72,570
SLOAN-KETTERING INSTITUTE FOR CANCER RESEARCH			
AM07266-01	MURPHY, MARTIN J., JR	HEMATOLOGY	92,465
INSTITUTION TOTAL	1		92,465

NIH  
RESEARCH TRAINING GRANTS

GRANT NUMBER	PROGRAM DIRECTOR	TITLE OF PROGRAM	DOLLARS AWARDED
NEW YORK NEW YORK STATE UNIVERSITY OF NEW YORK--DOWNSTATE MEDICAL CENTER AI07131-01	MORSE, STEPHEN I	IMMUNOLOGY	32,164
INSTITUTION TOTAL	1		32,164
YESHIVA UNIVERSITY AM07273-01	MARCUS, DONALD M	ARTHRITIS & BONE DISEASES	40,014
INSTITUTION TOTAL	1		40,014
CITY TOTAL	7		413,975
ROCHESTER UNIVERSITY OF ROCHESTER HL07220-01A1	YU, PAUL N	CARDIOLOGY	55,890
INSTITUTION TOTAL	1		55,890
CITY TOTAL	1		55,890
STONY BROOK STATE UNIVERSITY OF NEW YORK AT STONY BROOK GM07518-01	GROLLMAN, ARTHUR P	PHARMACOLOGICAL SCIENCES	25,077
INSTITUTION TOTAL	1		25,077
CITY TOTAL	1		25,077
SYRACUSE UNIVERSITY AG00040-01	MEYER, WILLIAM J	DEVELOPMENT AND AGING	78,000
INSTITUTION TOTAL	1		78,000
CITY TOTAL	1		78,000
STATE TOTAL	12		682,665
NORTH CAROLINA RALEIGH UNIVERSITY OF NORTH CAROLINA SYSTEM--NORTH CAROLINA STATE UNIVERSITY AT RALEIGH ES07046-01	GUTHRIE, FRANK E	MOLECULAR AND ENVIRONMENTAL TOXICOLOGY	111,248
INSTITUTION TOTAL	1		111,248
CITY TOTAL	1		111,248

GRANT NUMBER	PROGRAM DIRECTOR	RESEARCH TRAINING GRANTS	DOLLARS AWARDED
TITLE OF PROGRAM			
NORTH CAROLINA WINSTON-SALEM WAKE FOREST UNIVERSITY RR07009-01	CLARKSON, THOMAS B	LABORATORY ANIMAL AND COMPARATIVE MEDICINE	78,698
INSTITUTION TOTAL	1		78,698
CITY TOTAL	1		78,698
STATE TOTAL	2		189,946
OHIO CINCINNATI CHILDREN'S HOSPITAL MEDICAL CENTER ES07051-01	ZIMMERMAN, ERNEST F	TERATOLOGY	34,108
INSTITUTION TOTAL	1		34,108
CITY TOTAL	1		34,108
CLEVELAND CASE WESTERN RESERVE UNIVERSITY HD07104-01	SINGER, MARCUS	NORMAL AND ABNORMAL DEVELOPMENT	195,732
INSTITUTION TOTAL	1		195,732
CITY TOTAL	1		195,732
STATE TOTAL	2		229,840
OREGON PORTLAND OREGON STATE HIGHER EDUCATION SYSTEM--UNIVERSITY OF OREGON HEALTH SCIENCES CENTER HL07295-01	CONNOR, WILLIAM E	NUTRITION AND ATHEROSCLEROSIS	76,118
INSTITUTION TOTAL	1		76,118
CITY TOTAL	1		76,118
STATE TOTAL	1		76,118
PENNSYLVANIA HERSHEY PENNSYLVANIA STATE UNIVERSITY RR07006-01	MILTON S. HERSHEY MEDICAL CENTER LANG, C MAX	LABORATORY ANIMAL MEDICINE	55,099
INSTITUTION TOTAL	1		55,099

NIH  
RESEARCH TRAINING GRANTS

GRANT NUMBER	PROGRAM DIRECTOR	TITLE OF PROGRAM	DOLLARS AWARDED
CITY TOTAL	1	55,099	
PENNSYLVANIA PHILADELPHIA UNIVERSITY OF PENNSYLVANIA GA07514-01	YAFFE, SUMNER J	PEDIATRIC CLINICAL PHARMACOLOGY AND ANESTHESIOLOGY	35,062
INSTITUTION TOTAL	1		35,062
CITY TOTAL	1		35,062
STATE TOTAL	2		90,161
SOUTH CAROLINA CHARLESTON MEDICAL UNIVERSITY OF SOUTH CAROLINA H107260-01	LINDENMAYER, GEORGE E	IMPROVE CARDIOVASCULAR DRUG THERAPY	37,661
INSTITUTION TOTAL	1		37,661
CITY TOTAL	1		37,661
STATE TOTAL	1		37,661
TENNESSEE KNOXVILLE UNIVERSITY OF TENNESSEE SYSTEM--UNIVERSITY OF TENNESSEE AT KNOXVILLE GM07438-01	POPP, RAYMOND A	GENETICS	16,701
INSTITUTION TOTAL	1		16,701
CITY TOTAL	1		16,701
STATE TOTAL	1		16,701
TEXAS AUSTIN UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS AT AUSTIN HD07081-01	GALLE, OMER R	SOCIAL DEMOGRAPHY	48,009
INSTITUTION TOTAL	1		48,009
CITY TOTAL	1		48,009

NIH RESEARCH TRAINING GRANTS		PROGRAM DIRECTOR	TITLE OF PROGRAM	DOLLARS AWARDED
TEXAS				
HOUSTON				
BAYLOR COLLEGE OF MEDICINE	MC NAMARA, DAN G		DEVELOPMENT CARDIAC PHARMACOLOGY AND PHYSIOLOGY	37,923
HL07190-01A1				
INSTITUTION TOTAL	1			37,923
CITY TOTAL	1			37,923
STATE TOTAL	2			85,932
VIRGINIA				
RICHMOND				
VIRGINIA COMMONWEALTH UNIVERSITY				
AM07079-01A2	RUDY, SHAUN		PATHOGENESIS AND TREATMENT OF RHEUMATIC DISEASES	19,529
HL07244-01	WEGLICKI, WILLIAM B		MECHANISMS OF CARDIOVASCULAR INJURY	65,180
INSTITUTION TOTAL	2			84,709
CITY TOTAL	2			84,709
STATE TOTAL	2			84,709
WASHINGTON				
SEATTLE				
UNIVERSITY OF WASHINGTON				
HL07278-01	DODGE, HAROLD T		CARDIOVASCULAR RESEARCH	82,361
AM07237-01	PINCH, CLEMENT A		HEMATOLOGY AND NUTRITIONAL ANEMIAS	17,942
INSTITUTION TOTAL	2			100,303
CITY TOTAL	2			100,303
STATE TOTAL	2			100,303
WISCONSIN				
MILWAUKEE				
MEDICAL COLLEGE OF WISCONSIN	FUJIMOTO, JAMES M		PHARMACOLOGIC TOXICOLOGY OF ENVIRONMENTAL CHEMICALS	59,704
ES07043-01				
INSTITUTION TOTAL	1			59,704
CITY TOTAL	1			59,704
STATE TOTAL	1			59,704
TOTAL	63			3,560,874

NIH  
RESEARCH FELLOWSHIP AWARDS

APPLICATION NUMBER	FELLOW	FIELD OF INTEREST	PROGRAM
ALABAMA			
AUBURN			
AUBURN UNIVERSITY			
GM06288-01	PACE, RALPHENIA C	BIOSCIENCES	F34
INSTITUTION TOTAL	1		
CITY TOTAL	1		
BIRMINGHAM			
UNIVERSITY OF ALABAMA IN BIRMINGHAM			
TWO2531-01	ARMIGER, LOIS C	EXPERIMENTAL PATHOLOGY	F05
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	2		
CALIFORNIA			
BERKELEY			
UNIVERSITY OF CALIFORNIA AT BERKELEY			
GM05729-01	ETKIN, LAURENCE D	MOLECULAR BIOLOGY	F32
AI05595-01	SCHALL, JOSEPH J	PARASITOLOGY	F32
TWO0147-01	SPEAR, ROBERT C	ENVIRONMENTAL ENGINEERING: ENGINEERING	F06
GM06246-01	WIESEHAWN, GARY P	BIOCHEMISTRY	F32
INSTITUTION TOTAL	4		
CITY TOTAL	4		
DAVIS			
UNIVERSITY OF CALIFORNIA AT DAVIS			
CA05979-01	IRELAND, CARRIE R	ONCOLOGY	F32
GM06291-01	SHUMAKER, KATHY A	GENETICS	F32
INSTITUTION TOTAL	2		
CITY TOTAL	2		
LA JOLLA			
SCRIPPS CLINIC AND RESEARCH FOUNDATION			
AI05596-01	DUTKO, FRANCIS J, JR	VIROLOGY	F32
INSTITUTION TOTAL	1		

NIH  
RESEARCH FELLOWSHIP AWARDS

## PROGRAM

## FIELD OF INTEREST

## APPLICATION NUMBER

## FELLOW

CALIFORNIA			
LA JOLLA	UNIVERSITY OF CALIFORNIA AT SAN DIEGO	BIOCHEMISTRY	F32
GM06701-01	ADAMICH, MARINA	GENETICS	F32
AI05556-01	DRAPER, ROCKFORD K	GENETICS	F32
GM06307-01	VAN WINKLE-SWIFT, KAREN		
INSTITUTION TOTAL	3		
CITY TOTAL	4		

LOS ANGELES			
UNIVERSITY OF CALIFORNIA AT LOS ANGELES	ENDOCRINOLOGY	ENDOCRINOLOGY	F32
AE05730-01	COOLEY-MATTHEWS, BEATRICE	NEURO/MUSCULAR PHYSIOLOGY	F05
TW02478-01	GARCIA-SANCHEZ, JOSE L	INFECTIONS/DISEASES	F32
AI05605-01	KRAUSE, PETER J	NEUROANATOMY	F32
EY05237-01	LOCKHART, MARY E	ENDOCRINOLOGY	F32
HD05529-01	MURAL, JAMES T	OPHTHALMOLOGY	F32
EY05209-01	SCHETTINO, ELLIO F	CRYSTALLOGRAPHY	F32
GM06234-01	SMITH, WARD W		
INSTITUTION TOTAL	7		
CITY TOTAL	7		

MENLO PARK			
LINUS PAULING INSTITUTE OF SCIENCE AND MEDICINE	ANALYTICAL CHEMISTRY	ANALYTICAL CHEMISTRY	F32
GM06310-01	STUPER, ANDREW J		
INSTITUTION TOTAL	1		
CITY TOTAL	1		
PASADENA			
CALIFORNIA INSTITUTE OF TECHNOLOGY			
GM06005-01	BROWN, SCOTT M	BIOCHEMICAL AND MOLECULAR GENETICS	F32
AM05760-01	MAUK, ARTHUR G	ENZYME/METABOLISM BIOCHEMISTRY	F32
INSTITUTION TOTAL	2		
CITY TOTAL	2		

SAN FRANCISCO			
UNIVERSITY OF CALIFORNIA AT SAN FRANCISCO	HISTOPATHOLOGY	HISTOPATHOLOGY	F32
CA06043-01	BOZDECH, MAREK J		

NIH  
RESEARCH FELLOWSHIP AWARDS

APPLICATION NUMBER	PELLOW	FIELD OF INTEREST	PROGRAM
CALIFORNIA			
SAN FRANCISCO			
UNIVERSITY OF CALIFORNIA AT SAN FRANCISCO			
AG05089-01	DELANEY, WILLIAM P	GERIATRICS	F32
GM06296-01	FOE, VICTORIA E	CELL DIVISION	F32
CA05984-01	HACKETT, PERRY B, JR	VIBIOLOGY	F32
BY05210-01	KINNEY, MARION S	OPHTHALMOLOGY	F32
GM05904-01	WEAGHER, RICHARD B	MOLECULAR BIOLOGY	F32
AM05774-01	ROBERTS, JAMES L	ENDOCRINE PHYSIOLOGY	F32
GM06281-01	TEKAMP, PATRICIA A	MOLECULAR BIOLOGY	F32
INSTITUTION TOTAL	8		
CITY TOTAL	8		
STANFORD			
STANFORD UNIVERSITY			
AM05663-01	CHOATE, GLENDA L	ENZYME/METABOLISM BIOCHEMISTRY	F32
HD05447-01A1	DOWER, WILLIAM J	REPRODUCTIVE PHYSIOLOGY	F32
GM06220-01	GILLUM, WILLIAM O	CHEMISTRY	F32
GM06257-01	KURTZ, DONALD M	CHEMISTRY	F32
GM06285-01	MC ENTEE, KEVIN	BIOCHEMICAL AND MOLECULAR GENETICS	F32
AI05550-01	SODERGREEN, ERICA J	BIOCHEMICAL AND MOLECULAR GENETICS	F32
INSTITUTION TOTAL	6		
CITY TOTAL	6		
STATE TOTAL	34		
COLORADO			
DENVER			
NATIONAL JEWISH HOSPITAL AND RESEARCH CENTER			
AI05739-01	GICLAS, PATRICIA	IMMUNOLOGY	F32
INSTITUTION TOTAL	1		
UNIVERSITY OF COLORADO MEDICAL CENTER			
HL05686-01A1	MILLER, THOMAS R	RENAL DISEASES	F32
INSTITUTION TOTAL	1		
CITY TOTAL	2		
STATE TOTAL	2		

NIH  
RESEARCH FELLOWSHIP AWARDS

## PROGRAM

## FIELD OF INTEREST

APPLICATION NUMBER	FELLOW	FIELD OF INTEREST	
CONNECTICUT PARRINGTON UNIVERSITY OF CONNECTICUT HEALTH CENTER TW00140-01 AI05618-01	KOLLAR, RICHARD J SCHINDLER, MELVIN S	DEVELOPMENTAL BIOLOGY MICROBIAL BIOCHEMISTRY	F06 F32
INSTITUTION TOTAL CITY TOTAL		2	2
NEW HAVEN YALE UNIVERSITY GM06263-01 AM05736-01 GM06258-01	DALE, RODERIC M IWANILJ, VICTORIA ROCK, CHARLES O	MOLECULAR BIOLOGY MOLECULAR BIOLOGY MOLECULAR BIOLOGY	F32 F32 F32
INSTITUTION TOTAL CITY TOTAL		3	3
STATE TOTAL		5	
DIST OF COL WASHINGTON HOWARD UNIVERSITY GM06272-01	HOGAN, YVONNE A	BIOSCIENCES	
INSTITUTION TOTAL		1	
U.S. DEPARTMENT OF DEFENSE--ARMED FORCES RADIOBIOLOGY RESEARCH INSTITUTE HS05793-01	WOODBURY, CATHERINE M	NEURO/MUSCULAR PHYSIOLOGY	F32
INSTITUTION TOTAL CITY TOTAL		1	2
STATE TOTAL		2	
FLORIDA GAINESVILLE STATE UNIVERSITY SYSTEM OF FLORIDA--UNIVERSITY OF FLORIDA EY05215-01	RIDDLE, PATRICK J	OPHTHALMOLOGY	F32
INSTITUTION TOTAL		1	

NIH  
RESEARCH FELLOWSHIP AWARDS

APPLICATION NUMBER	FELLOW	FIELD OF INTEREST	PROGRAM
FLORIDA			
GAINESVILLE U.S. DEPARTMENT OF AGRICULTURE--INSECT ATTRACTANTS, BEHAVIOR, AND BASIC BIOLOGY RESEARCH LAB TWO2499-01	SUGUNA, SUNDARAJ G	MEDICAL ENTOMOLOGY	F05
INSTITUTION TOTAL	1		
CITY TOTAL	2		
MIAMI UNIVERSITY OF MIAMI HD05444-01A1	CLARK, MARTIN R	REPRODUCTIVE PHYSIOLOGY	F32
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	3		
GEORGIA			
ATLANTA ATLANTA UNIVERSITY GM06349-01	COLE, LEONARD S	BIOSCIENCES	F34
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	3		
EMORY UNIVERSITY GM06301-01	BAUMSTARK, BARBARA R	VIROLOGY	F32
INSTITUTION TOTAL	1		
CITY TOTAL	2		
STATE TOTAL	3		
AUGUSTA UNIVERSITY SYSTEM OF GEORGIA--MEDICAL COLLEGE OF GEORGIA GM05886-01A1	ROWLAND, JANE T	BIOSCIENCES	F34
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	3		
HAWAII HONOLULU UNIVERSITY OF HAWAII SYSTEM--UNIVERSITY OF HAWAII AT MANOA GM06256-01	IRELAND, CHRIS M	CHEMISTRY	F32

NIH  
RESEARCH FELLOWSHIP AWARDS

## PROGRAM

## FIELD OF INTEREST

APPLICATION NUMBER	FELLOW	FIELD OF INTEREST	
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	1		
ILLINOIS			
ARGONNE			
U.S. ENERGY RESEARCH AND DEVELOPMENT ADMINISTRATION			
CA05981-01	GOULD, MICHAEL N	RADIOBIOLOGY	F32
INSTITUTION TOTAL	1		
CITY TOTAL	1		
CHICAGO			
UNIVERSITY OF ILLINOIS AT THE MEDICAL CENTER			
TW00170-01	GIACOMONI, DARIO A	CELL BIOLOGY	F06
INSTITUTION TOTAL	1		
CITY TOTAL	1		
URBANA			
UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN			
GM06168-01	WELLER, DWIGHT D	CHEMISTRY	F32
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	3		
INDIANA			
WEST LAFAYETTE			
PURDUE UNIVERSITY			
EY05236-01	LO, MEI-VEN	OPHTHALMOLOGY	F32
AI05600-01	RAYMENT, IVAN	VIROLOGY	F32
INSTITUTION TOTAL	2		
CITY TOTAL	2		
STATE TOTAL	2		

NIH  
RESEARCH FELLOWSHIP AWARDS

APPLICATION NUMBER	FELLOW	FIELD OF INTEREST	PROGRAM
IOWA IOWA CITY UNIVERSITY OF IOWA TWO2570-01 TWO0142-01	ODERFELD-NOWAK, BARBARA TEPHLY, THOMAS R	BIOCHEMISTRY TOXICOLOGY/PHARMACODYNAMICS	F05 F06
INSTITUTION TOTAL	2		
CITY TOTAL	2		
STATE TOTAL	2		
MAINE BAR HARBOR JACKSON LABORATORY AM05750-01	GAPP, DAVID A	GENETICS	F32
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	1		
MARYLAND BALTIMORE CARNEGIE INSTITUTION OF WASHINGTON, D. C. GM06271-01	PETERSON, RONALD C	MOLECULAR BIOLOGY	F32
INSTITUTION TOTAL	1		
CITY TOTAL	1		
JOHNS HOPKINS UNIVERSITY CA05982-01	DRYSDALE, BETH-ELLEN	IMMUNOLOGY	F32
INSTITUTION TOTAL	1		
UNIVERSITY OF MARYLAND SYSTEM--UNIVERSITY OF MARYLAND AT BALTIMORE AM05745-01	MC LAUGHLIN, JUDITH	DIABETES	F32
INSTITUTION TOTAL	1		
CITY TOTAL	3		
BETHESDA U. S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE--NATIONAL INSTITUTES OF HEALTH CA06055-01	ABREMSKI, KENNETH E	VIROLOGY	F32

NIH  
RESEARCH FELLOWSHIP AWARDS

## PROGRAM

## FIELD OF INTEREST

## APPLICATION NUMBER FELLOW

MARYLAND BETHESDA U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE-- NATIONAL INSTITUTES OF HEALTH AM05710-01 GN06338-01 TWO0186-01 CA05993-01 TWO0183-01 RY05221-01 TWO2497-01 TWO0182-01 CA05991-01 GH06292-01 DR05124-01	ALSTON, KENNETH FEDERICI, MARY M GAFTANO, SALVATORE MAXFIELD, FREDERICK R MONIER, ROGER REINERCKE, ROBERT D SCHOUB, BARRY D SHARON, NATHAN SHEDLARSKI, JOSEPH G STEWART, JOYCELYN E WIND, MARILYN G	HEMATOLOGY/IMMUNOLOGY MOLECULAR BIOLOGY HORMONE/VITAMIN BIOCHEMISTRY MOLECULAR BIOLOGY MICROBIAL PHYSIOLOGY OPHTHALMOLOGY INFECTION/DISEASES CARBOHYDRATE BIOCHEMISTRY ENZYME/METABOLISM BIOCHEMISTRY BIOSCIENCES TERATOLOGY	F32 F32 F15 F32 P15 F32 P05 F15 F32 F34 F32
INSTITUTION TOTAL CITY TOTAL	12 12		
COLLEGE PARK UNIVERSITY OF MARYLAND SYSTEM--UNIVERSITY OF MARYLAND COLLEGE PARK CAMPUS TWO2500-01 DE, SHOHYA P		BACTERIOLOGY	F05
INSTITUTION TOTAL CITY TOTAL STATE TOTAL	1 1 16		

MASSACHUSETTS BOSTON AFFILIATED HOSPITALS CENTER--PETER BENT BRIGHAM HOSPITAL GH06562-01 CA05995-01	HUMES, HARVEY D ZUCKERMAN, KENNETH S	RENAL DISEASES HEMATOLOGY/IMMUNOLOGY	F32 F32
INSTITUTION TOTAL INSTITUTION TOTAL INSTITUTION TOTAL	2 1 1		
EETH ISRAEL HOSPITAL CA05994-01	BRAUN, JORY L	HEMATOLOGY/IMMUNOLOGY	F32
BOSTON UNIVERSITY RY05223-01	LOHRENSTEIN, JOHN I	OPHTHALMOLOGY	F32
INSTITUTION TOTAL	1		

NIH  
RESEARCH FELLOWSHIP AWARDS

APPLICATION NUMBER	FELLOW	FIELD OF INTEREST	PROGRAM
<b>MASSACHUSETTS</b>			
BOSTON			
EYE RESEARCH INSTITUTE OF RETINA FOUNDATION		OPHTHALMOLOGY	F32
EY05226-01	CAMPBELL, ROBERT C	OPHTHALMOLOGY	F32
EY05207-01	LAMBERTS, DAVID W	OPHTHALMOLOGY	F32
EY05206-01	LASS, JONATHAN H	OPHTHALMOLOGY	F32
INSTITUTION TOTAL	3		
HARVARD UNIVERSITY			
AI05621-01	GRIZZARD, MICHAEL B	INFECTIOUS DISEASES	F32
GM06186-01	HERMAN, TIMOTHY M	NUCLEIC ACID BIOCHEMISTRY	F32
GM05594-01A1	SCHWARTZ, KENNETH J	PHYSICAL BIOCHEMISTRY	F32
CA06060-01	WOODS, MARGO N	ONCOLOGY	F32
EY05213-01	YAMAMOTO, GILBERT K	OPHTHALMOLOGY	F32
AM05755-01	YOUNG, JAMES B	DIABETES	F32
AI05622-01	YOUNG, RYLAND F	BIOCHEMICAL AND MOLECULAR GENETICS	F32
INSTITUTION TOTAL	7		
MASSACHUSETTS EYE AND EAR INFIRMIARY			
EY05218-01	CHU, CHIN W	OPHTHALMOLOGY	F32
INSTITUTION TOTAL	1		
MASSACHUSETTS GENERAL HOSPITAL			
DE05127-01	BERTOLAMI, CHARLES N	PLASTIC/MAXILLO-FACIAL SURGERY	F32
GM06309-01	YIN, HELEN	CARDIOVASCULAR/PULMONARY PHYSIOLOGY	F32
INSTITUTION TOTAL	2		
NEW ENGLAND MEDICAL CENTER HOSPITAL			
BY05227-01	NADLER, DANIEL J	OPHTHALMOLOGY	F32
INSTITUTION TOTAL	1		
CITY TOTAL	18		
<b>CAMBRIDGE</b>			
HARVARD UNIVERSITY			
AM05732-01	FREDERICK, EDWARD C	NEURO/MUSCULAR PHYSIOLOGY	F32
EY05205-01	GLICKMAN, RANDOLPH D	OPHTHALMOLOGY	F32
GM06339-01	GREENBERG, EVERETT P	MOLECULAR BIOLOGY	F32
GM05717-01A1	MC CANNON, JAMES A	BIOPHYSICS	F32
AM05690-01	OLAFSON, BARRY D	MOLECULAR BIOLOGY	F32

NIH  
RESEARCH FELLOWSHIP AWARDS

APPLICATION NUMBER	FELLOW	FIELD OF INTEREST	PROGRAM
MASSACHUSETTS CAMBRIDGE HARVARD UNIVERSITY GM05999-01	ROBERTS, GAIL D	BIOCHEMICAL AND MOLECULAR GENETICS	F32
INSTITUTION TOTAL	6		
MASSACHUSETTS INSTITUTE OF TECHNOLOGY CA05997-01	BOTHWELL, ALFRED L	VIROLOGY	F32
GA06405-01	FALCO, Saverio C	GENETICS	F32
AG05100-01	GRINNA, LYNN S	CELL PHYSIOLOGY	F32
GM05362-01	SCHUDA, PAUL F	ORGANIC SYNTHESIS	F32
AI05634-01	STARK, RUTH E	PHYSICAL CHEMISTRY	F32
AM05749-01	SZOKA, PAULA R	GENETICS	F32
AM05756-01	ZEISEL, STEVEN H	HISTOPATHOLOGY	F32
INSTITUTION TOTAL	7		
CITY TOTAL	13		
WALTHAM BRANDEIS UNIVERSITY GM06289-01	PACHL, CAROL A RICCIARDI, ROBERT P	GENETICS VIROLOGY	F32 F32
CA06026-01			
INSTITUTION TOTAL	2		
CITY TOTAL	2		
STATE TOTAL	33		
MICHIGAN ANN ARBOR UNIVERSITY OF MICHIGAN HD05119-01	HOPFMAN, DONALD L WATERSON, JOHN R	REPRODUCTIVE PHYSIOLOGY GENETICS	F32 F32
GM06317-01			
INSTITUTION TOTAL	2		
CITY TOTAL	2		
STATE TOTAL	2		
MINNESOTA MINNEAPOLIS UNIVERSITY OF MINNESOTA CA06022-01	LAU, ALAN P	MOLECULAR BIOLOGY	F32

NIH  
RESEARCH FELLOWSHIP AWARDS

APPLICATION NUMBER	FELLOW	FIELD OF INTEREST	PROGRAM
MINNESOTA MINNEAPOLIS UNIVERSITY OF MINNESOTA AM05763-01	SOMMER, BRUCE	EXPERIMENTAL SURGERY	F32
INSTITUTION TOTAL CITY TOTAL	2		
STATE TOTAL	2		
MISSISSIPPI UNIVERSITY OF MISSISSIPPI GM06266-01	GANGULI, MAYA G	BIOSCIENCES	F34
INSTITUTION TOTAL CITY TOTAL	1		
STATE TOTAL	1		
MISSOURI UNIVERSITY CITY WASHINGTON UNIVERSITY GM06198-01	ROSS, JOE M	MOLECULAR BIOLOGY	F32
INSTITUTION TOTAL CITY TOTAL	1		
STATE TOTAL	1		
NEW YORK BUFFALO NEW YORK STATE DEPARTMENT OF HEALTH--ROSWELL PARK MEMORIAL INSTITUTE CA06008-01	ANDERSEN, MARTHA S	RADIATION	F32
INSTITUTION TOTAL	1		
STATE UNIVERSITY OF NEW YORK AT BUFFALO TWO0182-01	ANDRES, GIUSEPPE A	HEMATOLOGY/IMMUNOLOGY	F06
INSTITUTION TOTAL CITY TOTAL	1 2		

NIH  
RESEARCH FELLOWSHIP AWARDS

APPLICATION NUMBER	FELLOW	FIELD OF INTEREST	PROGRAM
NEW YORK ITHACA CORNELL UNIVERSITY GM06037-01A1 GM05759-01	JORDAN, ROBERT C RACKOVSKY, SHALOM R	FAT AND LIPID BIOCHEMISTRY MOLECULAR BIOLOGY	F32 F32
INSTITUTION TOTAL CITY TOTAL	2		
NEW YORK COLUMBIA UNIVERSITY EY05231-01	GARNER, MARGARET H	OPHTHALMOLOGY	F32
INSTITUTION TOTAL	1		
CORNELL UNIVERSITY MEDICAL CENTER AI05643-01	BYRNE, GERALD I	BACTERIOLOGY	F32
INSTITUTION TOTAL	1		
HOSPITAL FOR SPECIAL SURGERY AM05766-01	GIBOFSKY, ALLAN	CONNECTIVE TISSUE DISEASES	F32
INSTITUTION TOTAL	1		
NEW YORK UNIVERSITY AM05558-01 EY05235-01	IBRAHIM, NADER G KOWLER, EILEEN	BIOCHEMISTRY OPHTHALMOLOGY	F32 F32
INSTITUTION TOTAL	2		
ROCKEFELLER UNIVERSITY AI05594-01 BY05208-01 AI05629-01 GM06084-01	BLAKE, MILAN S GOLDMAN, BARBARA H HORWITZ, MARCUS A LOGAN, JONATHAN L	INFECTIOUS DISEASES OPHTHALMOLOGY MICROBIOLOGY EPIDEMIOLOGY OF POPULATION DYNAMICS	F32 F32 F32 F32
INSTITUTION TOTAL	4		
SLOAN-KETTERING INSTITUTE FOR CANCER RESEARCH TW02524-01	CASTRO-MALASPINA, HUGO	HEMATOLOGY	F05
INSTITUTION TOTAL CITY TOTAL	1 10		

## RESEARCH FELLOWSHIP AWARDS

## NIH

APPLICATION NUMBER	FELLOW	FIELD OF INTEREST	PROGRAM
NEW YORK			
ROCHESTER			
UNIVERSITY OF ROCHESTER			
EY05229-01	PASTERNAK, TATIANA	OPHTHALMOLOGY	F32
INSTITUTION TOTAL	1		
CITY TOTAL	1		
VALHALLA			
NEW YORK MEDICAL COLLEGE			
AM05264-01	CARMICHAEL, ROBERT D	PEDIATRIC HEMATOLOGY	F32
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	16		
NORTH CAROLINA			
CHAPEL HILL			
UNIVERSITY OF NORTH CAROLINA SYSTEM--UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL			
GM06380-01	BANKS, RICHARD A	BIOSCIENCES	F34
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	1		
OHIO			
CINCINNATI			
U.S. ENVIRONMENTAL PROTECTION AGENCY--NATIONAL ENVIRONMENTAL RESEARCH CENTER			
TW02542-01	KELLO, DINKO	ENVIRONMENTAL HEALTH	F05
INSTITUTION TOTAL	1		
UNIVERSITY OF CINCINNATI			
E505103-01	RAFALES, LEE S	TOXICOLOGY/PHARMACODYNAMICS	F32
INSTITUTION TOTAL	1		
CITY TOTAL	2		
STATE TOTAL	2		



NIH  
RESEARCH FELLOWSHIP AWARDS

APPLICATION NUMBER	FELLOW	FIELD OF INTEREST	PROGRAM
TENNESSEE MEMPHIS UNIVERSITY OF TENNESSEE SYSTEM--UNIVERSITY OF TENNESSEE CENTER FOR THE HEALTH SCIENCES GM06088-01	HENLEY, WILLIAM H	NONCLINICAL RADIATION	F34
INSTITUTION TOTAL CITY TOTAL	2 3		
NASHVILLE MEHARRY MEDICAL COLLEGE GM06284-01	WILLIAMS, ANNIE P	BIOSCIENCES	F34
INSTITUTION TOTAL	1		
VANDERBILT UNIVERSITY AM05722-01	HAIGLER, HARRY T	MOLECULAR BIOLOGY	F32
INSTITUTION TOTAL CITY TOTAL	1 2		
STATE TOTAL	5		
TEXAS AUSTIN UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS AT AUSTIN HD05516-01	YOKOYAMA, KATSUHIKO	REPRODUCTIVE PHYSIOLOGY	F32
INSTITUTION TOTAL CITY TOTAL	1 1		
DALLAS UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT DALLAS CA06019-01	LOBET, RONALD A	CANCER CHEMOTHERAPY	F32
INSTITUTION TOTAL CITY TOTAL	1 1		
HOUSTON Baylor COLLEGE OF MEDICINE CA06020-01	BARNES, BRIAN C	HEMATOLOGY/IMMUNOLOGY	F32
INSTITUTION TOTAL	1		

NIH  
RESEARCH FELLOWSHIP AWARDS

APPLICATION NUMBER	FELLOW	FIELD OF INTEREST	PROGRAM
TEXAS			
HOUSTON UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS SYSTEM CANCER CENTER ES05062-01	KNAPP, JOHN A	GENETICS	F32
INSTITUTION TOTAL CITY TOTAL	1 2		
RICHARDSON UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS AT DALLAS TW00189-01	GRAY, DONALD M	MOLECULAR STRUCTURE	F06
INSTITUTION TOTAL CITY TOTAL	1 1		
STATE TOTAL	5		
UTAH			
SALT LAKE CITY UTAH STATE HIGHER EDUCATION SYSTEM--UNIVERSITY OF UTAH EY05214-01	ALBERTS, RAYMOND L, JR	OPHTHALMOLOGY	F32
INSTITUTION TOTAL CITY TOTAL	1 1		
STATE TOTAL	1		
VERMONT			
BURLINGTON UNIVERSITY OF VERMONT AND STATE AGRICULTURAL COLLEGE AM05723-01	ROBBINS, DAVID C	METABOLIC DISEASES	F32
INSTITUTION TOTAL CITY TOTAL	1 1		
STATE TOTAL	1		
VIRGINIA			
BLACKSBURG VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY GM06344-01	HANDEL, EDWARD D	PHYSICAL BIOCHEMISTRY	F32
INSTITUTION TOTAL	1		

NIH  
RESEARCH FELLOWSHIP AWARDSAPPLICATION NUMBER FELLOW  
CITY TOTAL 1FIELD OF INTEREST  
PROGRAM

VIRGINIA  
CHARLOTTESVILLE  
UNIVERSITY OF VIRGINIA  
EY05238-01

LEHMKUHLE, STEPHEN W

RECEPTOR AND EFFECTOR PROCESSES

INSTITUTION TOTAL	1
CITY TOTAL	1
STATE TOTAL	2

WASHINGTON  
SEATTLE

FRED HUTCHINSON CANCER RESEARCH CENTER  
CA05986-01  
AM05724-01

VIROLOGY

INSTITUTION TOTAL	1
-------------------	---

UNIVERSITY OF WASHINGTON

CAMERON, JOHN R  
MEDEIROS, EDWARD R  
SAVONA, MICHAEL R

INSTITUTION TOTAL	2
CITY TOTAL	3
STATE TOTAL	3

WISCONSIN  
MADISON

UNIVERSITY OF WISCONSIN SYSTEM--UNIVERSITY OF WISCONSIN-MADISON  
GM06316-01  
GM05940-01  
AM05714-01

ATCHLEY, WILLIAM R  
COOK, PAUL F  
HALLORAN, BERNARD P

INSTITUTION TOTAL	3
CITY TOTAL	3
STATE TOTAL	3

AUSTRALIA  
KENSINGTON  
UNIVERSITY OF NEW SOUTH WALES  
EY05212-01

LEVENTHAL, AUDIE G

NEURO/MUSCULAR PHYSIOLOGY

NIH  
RESEARCH FELLOWSHIP AWARDS

## PROGRAM

## APPLICATION NUMBER FELLOW FIELD OF INTEREST

INSTITUTION TOTAL	1
CITY TOTAL	1
STATE TOTAL	1

## CANADA

MONTRÉAL  
UNIVERSITY OF MONTREAL  
TWO187-01      BUIST, NEIL R

INSTITUTION TOTAL	1
CITY TOTAL	1
STATE TOTAL	1

## SWITZERLAND

BASEL  
UNIVERSITY OF BASEL      PALTER, KAREN B  
GM06371-01

INSTITUTION TOTAL	1
CITY TOTAL	1
STATE TOTAL	1

## MOLECULAR BIOLOGY

F06

UNITED KINGDOM  
CAMBRIDGE  
MEDICAL RESEARCH COUNCIL--LABORATORY OF MOLECULAR BIOLOGY  
GH06262-01      PAULSON, JAMES R  
GM06373-01      RICHMOND, TIMOTHY J  
EY05211-01      UDIN, SUSAN B

INSTITUTION TOTAL	3
-------------------	---

UNIVERSITY OF CAMBRIDGE  
EY05219-01      WATSON, ANDREW B

INSTITUTION TOTAL	1
CITY TOTAL	1

## NEURO/MUSCULAR PHYSIOLOGY

F32

F32

F32

F32

NIH  
RESEARCH FELLOWSHIP AWARDS

APPLICATION NUMBER	FELLOW	FIELD OF INTEREST	PROGRAM
UNITED KINGDOM			
OXFORD			
UNIVERSITY OF OXFORD			
GM06336-01	BROWN, WILLIE C	BIOSCIENCES	F34
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	5		
TOTAL	168		

NIH  
RESEARCH CAREER PROGRAM AWARDS

## PROGRAM

GRANT NUMBER	AWARDEE	PRINCIPAL AREA OF RESEARCH	
ARIZONA			
TUCSON			
UNIVERSITY OF ARIZONA	KIM, HYUN D	MEMBRANE-LIMITED METABOLISM IN MAMMALIAN RED CELLS	K04
AM00316-01			
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	1		
CALIFORNIA			
LOS ANGELES			
UNIVERSITY OF CALIFORNIA AT LOS ANGELES	LETINSKY, MICHAEL S	STRUCTURE AND FUNCTION OF DEVELOPING SYNAPSES	K04
NS00282-01	QUINTON, PAUL H	PHYSIOLOGY OF ISOLATED SWEAT GLANDS: CYSTIC FIBROSIS	K04
AM00324-01A1			
INSTITUTION TOTAL	2		
CITY TOTAL	2		
SAN FRANCISCO			
UNIVERSITY OF CALIFORNIA AT SAN FRANCISCO	GLANTZ, STANTON A	EXTERNAL CONSTRAINTS AFFECT LEFT VENTRICLE MECHANICS	K04
HL0345-01	GOLDSTEIN, GARY W	METABOLIC ACTIVITY OF ISOLATED BRAIN CAPILLARIES	K04
NS00278-01	NICOLL, ROGER A	BARBITURATES: ACUTE AND CHRONIC SYNAPTIC EFFECTS	K04
NS00287-01			
INSTITUTION TOTAL	3		
CITY TOTAL	3		
STATE TOTAL	5		
CONNECTICUT			
NEW HAVEN			
YALE UNIVERSITY	SHERWIN, ROBERT S	INSULIN, GLUCAGON, SOMATOSTATIN AND BODY FUEL METABOLISM	K04
AM00334-01	SOMAN, VILJAY R	GLUCAGON AND INSULIN RECEPTORS IN GLUCOSE HOMEOSTASIS	K08
AM00356-01			
INSTITUTION TOTAL	2		
CITY TOTAL	2		
STATE TOTAL	2		

NIH  
RESEARCH CAREER PROGRAM AWARDS

GRANT NUMBER	AWARDEE	PRINCIPAL AREA OF RESEARCH	PROGRAM
DIST OF COL WASHINGTON AMERICAN NATIONAL RED CROSS HL00325-01	INGHAM, KENNETH C	PRECIPITATION OF PROTEINS WITH POLYETHYLENE GLYCOL	K04
INSTITUTION TOTAL CITY TOTAL	1 1		
STATE TOTAL	1		
FLORIDA			
GAINESVILLE STATE UNIVERSITY SYSTEM OF FLORIDA--UNIVERSITY OF FLORIDA AM00298-01 NS00281-01	HARTY, RICHARD F KARLAN, MARC S	GASTROINTESTINAL PEPTIDE HORMONE SYNTHESIS AND SECRETION PHYSIOLOGY & PATHOPHYSIOLOGY OF HEARING	K08 K07
INSTITUTION TOTAL CITY TOTAL	2 2		
STATE TOTAL	2		
IOWA			
IOWA CITY UNIVERSITY OF IOWA HL00348-01	OWEN, WHYTE G	BIOCHEMISTRY OF ANTIHEMOPHILIC FACTOR & HEPARIN CO-FACTO	K04
INSTITUTION TOTAL CITY TOTAL	1 1		
STATE TOTAL	1		
KENTUCKY			
LEXINGTON UNIVERSITY OF KENTUCKY LM00009-01	JOKL, ERNST	THE THIRD CULTURE--A TEXT ON SPORTS MEDICINE	K10
INSTITUTION TOTAL CITY TOTAL	1 1		
STATE TOTAL	1		

NIH  
RESEARCH CAREER PROGRAM AWARDS

GRANT NUMBER	AWARDEE	PRINCIPAL AREA OF RESEARCH	PROGRAM
MARYLAND			
BALTIMORE			
JOHNS HOPKINS UNIVERSITY			
HL00415-01	JAKAB, GEORGE J	BRONCHOPULMONARY RESISTANCE TO BACTERIAL INFECTIONS	K04
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	1		
MASSACHUSETTS			
BOSTON			
HARVARD UNIVERSITY			
AI00242-01	FEARON, DOUGLAS T	ALTERNATIVE COMPLEMENT PATHWAY	K04
AI00254-01	WASSERMAN, STEPHEN I	MECHANISMS OF IMMEDIATE HYPERSENSITIVITY	K07
INSTITUTION TOTAL	2		
MASSACHUSETTS GENERAL HOSPITAL			
AM00342-01	AUSIELLO, DENNIS A	PROTEIN PHOSPHORYLATION AND HORMONE ACTION	K04
AM00320-01	LIPSON, LOREN G	MECHANISMS OF INSULIN RELEASE	K08
INSTITUTION TOTAL	2		
UNIVERSITY HOSPITAL			
AM00339-01	CHIDECKEL, ELLIOTT W	FUEL AND AMINO ACID METABOLISM IN PRIMATE BRAIN	K08
INSTITUTION TOTAL	1		
CITY TOTAL	5		
CAMBRIDGE			
MASSACHUSETTS INSTITUTE OF TECHNOLOGY			
ES00033-01A1	ARCHER, MICHAEL C	NITROSAMINES AS ENVIRONMENTAL CARCINOGENS	K04
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	6		
MISSISSIPPI			
JACKSON			
UNIVERSITY OF MISSISSIPPI MEDICAL CENTER			
HL00373-01	YOUNG, DAVID B	CONTROL, CARDIOVASCULAR AND RENAL EFFECTS OF POTASSIUM	K04
INSTITUTION TOTAL	1		

NIH  
RESEARCH CAREER PROGRAM AWARDS

GRANT NUMBER	AWARDEE	PRINCIPAL AREA OF RESEARCH	PROGRAM
CITY TOTAL	1		
STATE TOTAL	1		
MISSOURI			
UNIVERSITY CITY			
WASHINGTON UNIVERSITY	PERNUTT, MARSHALL A AM00333-01 AM00318-01	STUDIES OF INSULIN BIOSYNTHESIS ISLET TRANSPLANTATION IN DIABETES MELLITUS	K04 K04
INSTITUTION TOTAL	2		
CITY TOTAL	2		
STATE TOTAL	2		
NEW HAMPSHIRE			
HANOVER			
DARTMOUTH COLLEGE	NATTIE, EUGENE E HL00364-01 HL00346-01	BRAIN METABOLISM/ACID-BASE BALANCE/RESPIRATION CONTROL BRAIN STEM INTEGRATION OF CHEMORECEPTOR ACTIVITY	K04 K04
INSTITUTION TOTAL	2		
CITY TOTAL	2		
STATE TOTAL	2		
NEW YORK			
BUFFALO			
STATE UNIVERSITY OF NEW YORK AT BUFFALO	ALTSCHULER, MARTIN D GM00381-01	DIVERGING-BEAM 3-D IMAGE RECONSTRUCTION	K04
INSTITUTION TOTAL	1		
CITY TOTAL	1		
NEW YORK			
COLUMBIA UNIVERSITY	BILEZIKIAN, JOHN P HL00383-01	THE BETA ADRENERGIC CATECHOLAMINE RECEPTOR	K04
INSTITUTION TOTAL	1		
MEMORIAL HOSPITAL FOR CANCER AND ALLIED DISEASES			
NS00286-01	ROTTENBERG, DAVID A	INVESTIGATION OF CSF DYNAMICS IN MAN	K07
INSTITUTION TOTAL	1		

NIH  
RESEARCH CAREER PROGRAM AWARDS

## PROGRAM

## PRINCIPAL AREA OF RESEARCH

## AWARDEE

GRANT NUMBER	CITY TOTAL	STATE TOTAL
	2	3

## NORTH CAROLINA

## DURHAM

## DUKE UNIVERSITY

HL00324-01

K04

## PORTER, NED A

INSTITUTION TOTAL

1

CITY TOTAL

1

STATE TOTAL

1

## OHIO

## CLEVELAND

## CASE WESTERN RESERVE UNIVERSITY

HL00359-01

K04

## CHISOLM, GUY M., III

INSTITUTION TOTAL

1

CITY TOTAL

1

STATE TOTAL

1

## LIPID OXIDATION IN PG SYNTHESIS AND MEMBRANE DAMAGE

K04

## MACROMOLECULAR TRANSPORT IN ARTERIAL TISSUE

## TEXAS

## HOUSTON

## BAYLOR COLLEGE OF MEDICINE

HL00321-01

GOLDSTEIN, MARGARET A

K04

INSTITUTION TOTAL

1

CITY TOTAL

1

STATE TOTAL

1

## Z BANDS, MICROTUBULES, AND RELATED STRUCTURES IN HEART

K04

## UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT HOUSTON

AM00312-01

EY00088-01

RAY, TUSHAR K

REDBURN, DIANNA A

K04

INSTITUTION TOTAL

2

CITY TOTAL

3

STATE TOTAL

3

## UTAH

## SALT LAKE CITY

## UTAH STATE HIGHER EDUCATION SYSTEM--UNIVERSITY OF UTAH

NS00302-01

JOHANSON, CONRAD E

K04

## ONTOGENY OF HOMEOSTATIC SYSTEMS IN CHOROID PLEXUS

NIH  
RESEARCH CAREER PROGRAM AWARDS

## PROGRAM

## PRINCIPAL AREA OF RESEARCH

## GRANT NUMBER

## AWARDEE

UTAH  
SALT LAKE CITY  
UTAH STATE HIGHER EDUCATION SYSTEM--UNIVERSITY OF UTAH  
HL00379-01 WILLIAMS, ROGER R

GENETICS AND EPIDEMIOLOGY OF CORONARY ARTERY DISEASES

K04

INSTITUTION TOTAL	2
CITY TOTAL	2

STATE TOTAL	2
-------------	---

WASHINGTON  
SEATTLE

UNIVERSITY OF WASHINGTON

GM00323-01 AFROMOWITZ, MARTIN A  
HL00344-01 HUNTSMAN, LEE L  
LM00010-01 RUSHMER, ROBERT F

IMPLANTABLE SOLID-STATE HYBRID ION-SENSITIVE DEVICE  
MECHANICAL PROPERTIES OF ISOLATED MYOCARDIUM  
HEALTH RESEARCH & DEVELOPMENT PRIORITIES--SPECIAL

K04  
K04  
K10

INSTITUTION TOTAL	3
CITY TOTAL	3

STATE TOTAL	3
-------------	---

TOTAL	38
-------	----

NIH  
CONSTRUCTION GRANTSDOLLARS  
AWARDED

GRANT NUMBER

RESPONSIBLE OFFICIAL

MASSACHUSETTS

CAMBRIDGE

MASSACHUSETTS INSTITUTE OF TECHNOLOGY  
CA19593-01A1

CANCER RESEARCH RENOVATIONS AND ALTERATIONS

INSTITUTION TOTAL 1 1,498,646

CITY TOTAL 1 1,498,646

STATE TOTAL 1 1,498,646

TOTAL 1 1,498,646

1,498,646

## NIH MEDICAL LIBRARY GRANTS

## GRANT NUMBER PRINCIPAL INVESTIGATOR

DOLLARS AWARDED

CALIFORNIA		REDONDO BEACH		SOUTH BAY HOSPITAL		KLECKER, ANITA		MEDICAL LIBRARY RESOURCE IMPROVEMENT SUPPORT		3,000	
INSTITUTION TOTAL		1		1		3,000		3,000		3,000	
CITY TOTAL		1		1		3,000		3,000		3,000	
STATE TOTAL		1		1		3,000		3,000		3,000	
ILLINOIS											
MATTOON		SARAH BUSH LINCOLN HEALTH CENTER		HEYDUCK, FLORENCE		MEDICAL LIBRARY RESOURCE IMPROVEMENT SUPPORT		2,880		2,880	
INSTITUTION TOTAL		1		1		2,880		2,880		2,880	
CITY TOTAL		1		1		2,880		2,880		2,880	
NORMAL											
BROKAW HOSPITAL		BRADEN, FRANK		MEDICAL LIBRARY RESOURCE IMPROVEMENT SUPPORT		2,903		2,903		2,903	
INSTITUTION TOTAL		1		1		2,903		2,903		2,903	
CITY TOTAL		1		1		2,903		2,903		2,903	
STATE TOTAL		2		2		5,783		5,783		5,783	
KENTUCKY											
ASHLAND		KING'S DAUGHTERS' HOSPITAL		WURTS, JAMES R		MEDICAL LIBRARY RESOURCE IMPROVEMENT SUPPORT		3,000		3,000	
INSTITUTION TOTAL		1		1		3,000		3,000		3,000	
CITY TOTAL		1		1		3,000		3,000		3,000	
STATE TOTAL		1		1		3,000		3,000		3,000	
MASSACHUSETTS											
CAMBRIDGE		MOUNT AUBURN HOSPITAL		WITTE, LAWRENCE M		A COMMUNITY INFORMATION NETWORK FOR HEALTH EDUCATION		49,405		49,405	
INSTITUTION TOTAL		1		1		49,405		49,405		49,405	

NIH  
MEDICAL LIBRARY GRANTS

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
CITY TOTAL	1		49,405
STATE TOTAL	1		49,405
MICHIGAN			
ALPENA	ALPENA GENERAL HOSPITAL		
	LMO2933-01	KLEREKOPER, WILLIAM P	
	INSTITUTION TOTAL	1	3,000
	CITY TOTAL	1	3,000
	STATE TOTAL	1	3,000
MINNESOTA			
ZUMBROTA	ZUMBROTA COMMUNITY HOSPITAL		
	LMO3030-01	CLARK, ANN	
	INSTITUTION TOTAL	1	1,225
	CITY TOTAL	1	1,225
	STATE TOTAL	1	1,225
NEW JERSEY			
PATERSON	ST. JOSEPH'S HOSPITAL AND MEDICAL CENTER		
	LMO2998-01	ROSENSTEIG, RUTH A	
	INSTITUTION TOTAL	1	50,000
	CITY TOTAL	1	50,000
	STATE TOTAL	1	50,000
PENNSYLVANIA			
CHESTER	CROZER-CHESTER MEDICAL CENTER		
	LMO2996-01	BROWN, LEE C	
	INSTITUTION TOTAL	1	32,640
	CITY TOTAL	1	32,640

CONSORTIUM FOR HEALTH INFORMATION &amp; LIBRARY SERVICES

32,640

NIH  
MEDICAL LIBRARY GRANTS

GRANT NUMBER PRINCIPAL INVESTIGATOR  
 PENNSYLVANIA  
 JOHNSTOWN  
 CONEMAUGH VALLEY MEMORIAL HOSPITAL  
 L803077-01 BRICE, HEATHER W

## TITLE OF RESEARCH PROPOSAL

	INSTITUTION TOTAL	STATE TOTAL	TOTAL	MEDICAL LIBRARY RESOURCE IMPROVEMENT SUPPORT
CITY TOTAL	1	2	10	3,892
				3,892
				36,532
				151,945

DOLLARS  
 AWARDED

3,892

## GRANTS AND AWARDS ANNOUNCED DURING AUGUST 1977

I/D	RESEARCH GRANTS*		RESEARCH CAREER PROGRAM AWARDS		R & D CONTRACTS		TRAINING GRANTS		FELLOWSHIP AWARDS		CONSTRUCTION GRANTS		MEDICAL LIBRARY GRANTS		OTHER AWARDS	
	NUMBER	AMOUNT	NUMBER	AMOUNT	NUMBER	AMOUNT	NUMBER	AMOUNT	NUMBER	AMOUNT	NUMBER	AMOUNT	NUMBER	AMOUNT	NUMBER	AMOUNT
AG	8	231,094	1	23,000									4	44,400		
AI	18	877,291	4	128,941	2	255,010							10	103,100		
AM	41	1,898,660	4	132,256	3	79,625	2	99,973	3	35,500						
CA	95	8,688,084											2	21,600		
CB					19	1,566,238										
CM					3	763,801										
CN					1	129,500										
CO					2	594,182										
CP					7	493,422										
DE	11	621,150			5	253,735										
ES	3	102,572			1	194,355							1	12,200		
EY	12	627,891	2	61,704									2	20,800		
GM	19	947,571	4	111,325	1	98,500	3	96,335	16	166,200						
HD	18	744,654	5	172,320	1	48,721	1	58,063	10	116,100						
HL	28	2,345,501	4	134,714												
LM					2	54,787									2	30,945
NS	12	492,981	3	110,290	1	99,000										
RR	6	1,015,473			1	125,000										
TW	271	18,592,922	27	874,550	49	4,755,876	6	254,371	12	231,429					2	30,945

\*INCLUDES DIRECT COST ONLY FOR NIH RESEARCH GRANTS

NIH RESEARCH GRANTS \*

GRANT NUMBER      PRINCIPAL INVESTIGATOR      TITLE OF RESEARCH PROPOSAL

DOLLARS AWARDED

MOBILE	UNIVERSITY OF SOUTH ALABAMA	42,760
	HL22216-01	40,577
	HL22549-01	
INSTITUTION TOTAL	2	83,337
CITY TOTAL	2	83,337
STATE TOTAL	3	138,457
VASCULAR MECHANISMS IN RENAL HYPERTENSION TRANSPORT ACROSS ALVEOLAR CAPILLARY MEMBRANE		
ARIZONA	TUCSON	UNIVERSITY OF ARIZONA

TRUCK UNDES DIRECT COST ONLY FOR WITH AWARDS

NIH  
RESEARCH GRANTS \*

## GRANT NUMBER      PRINCIPAL INVESTIGATOR

DOLLARS  
AWARDED

CALIFORNIA  
DAVIS  
UNIVERSITY OF CALIFORNIA AT DAVIS  
AM20446-01      SCHNEEMAN, BARBARA O  
RRO1068-01      TUPPER, C JOHN  
CA21366-01      WELLINGS, SEFTON R

INSTITUTION TOTAL      3  
CITY TOTAL      3

DOMINGUEZ HILLS  
CALIFORNIA STATE UNIVERSITY AND COLLEGES SYSTEM--CALIFORNIA STATE COLLEGE AT DOMINGUEZ HILLS  
RRO156-01      CHI, LOIS W  
UNIVERSITY OF CALIFORNIA AT DAVIS, ROWLAND H

INSTITUTION TOTAL      1  
CITY TOTAL      1

IRVINE  
UNIVERSITY OF CALIFORNIA AT IRVINE  
AM20083-01      DAVIS, ROWLAND H  
INSTITUTION TOTAL      1  
CITY TOTAL      1

LA JOLLA  
SALK INSTITUTE FOR BIOLOGICAL STUDIES  
CA21896-01      ECKHART, WALTER  
INSTITUTION TOTAL      1

SCRIPPS CLINIC AND RESEARCH FOUNDATION  
CA23030-01      SILVER, JACK  
INSTITUTION TOTAL      1

UNIVERSITY OF CALIFORNIA AT SAN DIEGO  
AM20409-01      ALHADEFF, JACK A  
GM24279-01      FIRTEL, RICHARD A  
CA21867-01      HSUEH, AARON J  
AI14176-01      SAIER, MILTON H., JR  
AI14262-01      SELL, STEWART  
CA22031-01      SINGER, S JONATHAN  
INSTITUTION TOTAL      6

HUMAN LIVER ALPHA-L-FUCOSIDASE AND FUCOSIDOSIS  
GENE STRUCTURE AND TRANSCRIPTIONAL REGULATION  
EFFECT OF AGING ON HORMONAL CONTROL OF MAMMARY TUMORS  
MECHANISM OF CARBOHYDRATE TRANSPORT IN BACTERIA  
SYPHILIS IMMUNITY  
TRANS-MEMBRANE CONTROL IN TRANSFORMED AND NORMAL CELLS  
INSTITUTION TOTAL      305,939

## TITLE OF RESEARCH PROPOSAL

## GRANT NUMBER PRINCIPAL INVESTIGATOR

CITY TOTAL 8

395,653

CALIFORNIA LOS ANGELES UNIVERSITY OF CALIFORNIA AT LOS ANGELES AM20333-01 AM19705-01 CA21768-01 AG00755-01 CA22249-01	NEW HIP PROSTHESIS AND FIXATION MODES--IN VIVO STUDY IMPROVED RADIOGRAPHIC ASSESSMENT OF TOTAL HIP JOINTS POLYPEPTIDES AND THE PROTEIN-DNA COMPLEX IN SV40 VIRION EFFECT OF AGE ON LYMPHOHEMATOPOIETIC REGENERATION ORAL FLORA AND CARCINOGENESIS OF DENTAL THERAPEUTICS	100,114
		51,050
UNIVERSITY OF SOUTHERN CALIFORNIA DE04613-01 CA22224-01	MATRIX-CELL INTERACTION IN CRANIOFACIAL DEVELOPMENT FLOW-INDUCED FLUX CHANGES ACROSS TUMOR MICROVESSELS	34,297
		40,540
INSTITUTION TOTAL	5	44,153
UNIVERSITY OF SOUTHERN CALIFORNIA MEIER, STEPHEN P PUFFER, HAROLD W	84,693 332,154	
INSTITUTION TOTAL	2	
CITY TOTAL	7	
PASADENA CALIFORNIA INSTITUTE OF TECHNOLOGY DICKERSON, RICHARD E DREYER, WILLIAM J RICHARDS, JOHN H STRUMWASSER, FELIX VAN ESSEN, DAVID C	DNA SYNTHESIS AND INTERACTION WITH PROTEINS AND DRUGS MICROSEQUENCE STUDIES OF CELL SURFACE ANTIGENS MOLECULAR STUDIES OF THE IMMUNE RESPONSE PEPTIDEIGIC AND CIRCADIAN NEURONS IN TISSUE CULTURE LAMINAR ORGANIZATION OF EXTRASTRIATE VISUAL CORTEX	66,390
		59,495
INSTITUTION TOTAL	5	44,648
CITY TOTAL	5	
RIVERSIDE UNIVERSITY OF CALIFORNIA AT RIVERSIDE FEDERICI, BRIAN A	295,866 295,866	58,550
		66,783
INSTITUTION TOTAL	1	
CITY TOTAL	1	
SAN FRANCISCO MOUNT ZION HOSPITAL AND MEDICAL CENTER FRIEDMAN, MEYER	13,905 13,905	
INSTITUTION TOTAL	1	
CITY TOTAL	1	
RIVERSIDE UNIVERSITY OF CALIFORNIA AT RIVERSIDE FEDERICI, BRIAN A	13,905 13,905	
INSTITUTION TOTAL	1	
CITY TOTAL	1	
SAN FRANCISCO MOUNT ZION HOSPITAL AND MEDICAL CENTER FRIEDMAN, MEYER	173,508 173,508	
INSTITUTION TOTAL	1	
CITY TOTAL	1	

\* INCLUDES DIRECT COST ONLY FOR NIH AWARDS

NIH  
RESEARCH GRANTS \*

## GRANT NUMBER

## PRINCIPAL INVESTIGATOR

DOLLARS  
AWARDED

TITLE OF RESEARCH PROPOSAL		
CALIFORNIA		
SAN FRANCISCO		
UNIVERSITY OF CALIFORNIA AT SAN FRANCISCO		
AM19997-01	BAXTER, JOHN D	GROWTH HORMONE GENE: PURIFICATION AND REGULATION
DE01441-01A2	CHAR, DEVRON H	EYE TUMORS: IN VITRO IMMUNODIAGNOSIS AND MONITORING
CA22369-01	CORREIA, MARIA A	COLONIC CYTOCHROME P-450-CHEMICAL CARCINOGENESIS ROLE
CA22389-01	PHILLIPS, THEODORE L	EXTENDED RADIOTHERAPY FOR PROSTATIC NEOPLASM
CA21842-01	PHILLIPS, THEODORE L	DEVELOPMENT OF A CT SCANNER FOR RADIATION THERAPY
INSTITUTION TOTAL	5	269,632
UNIVERSITY OF THE PACIFIC		CORROSION AND CLINICAL BEHAVIOR OF DENTAL AMALGAM
DE04516-01	RYGE, GUNNAR	72,057
INSTITUTION TOTAL	1	72,057
CITY TOTAL	7	515,197
SANTA BARBARA		RELATIONSHIP OF MAMMALIAN CONES TO PIGMENT EPITHELIUM
UNIVERSITY OF CALIFORNIA AT SANTA BARBARA		43,299
EDY02082-01	ANDERSON, DON H	43,299
INSTITUTION TOTAL	1	43,299
CITY TOTAL	1	43,299
STANFORD		BIOLOGIC EFFECTS OF PHOTOCHEMOTHERAPY IN PSORIASIS
STANFORD UNIVERSITY		74,358
AM18760-01A1	FARBER, EUGENE M	
INSTITUTION TOTAL	1	74,358
CITY TOTAL	1	74,358
STATE TOTAL	37	2,165,096
COLORADO		
BOULDER		
UNIVERSITY OF COLORADO AT BOULDER		
CA22250-01	MC CONKEY, EDWIN H	RIBOSOMAL PROTEIN PHOSPHORYLATION AND CELL GROWTH
INSTITUTION TOTAL	1	35,200
CITY TOTAL	1	35,200

## GRANT NUMBER      PRINCIPAL INVESTIGATOR

DOLLARS  
AWARDED

NIH

COLORADO

DENVER

COLORADO REGIONAL CANCER CENTER

CA21878-01

WALKER, STROTHER H

INSTITUTION TOTAL

1

CANCER PATIENT DATA CONTROL EXPLORATORY STUDIES

58,740

UNIVERSITY OF COLORADO MEDICAL CENTER

EY02083-01

NOLTE, JOHN F

INSTITUTION TOTAL

1

PINEAL PHOTORECEPTORS

48,219

CITY TOTAL

2

106,959

LAKEWOOD

AMC CANCER RESEARCH CENTER AND HOSPITAL

CA23536-01

BOREK, ERNEST

87,000

INSTITUTION TOTAL

1

CITY TOTAL

1

STATE TOTAL

4

1

MOLECULAR BIOLOGY OF ETHIONINE CARCINOGENESIS

87,000

CONNECTICUT

FARMINGTON

UNIVERSITY OF CONNECTICUT HEALTH CENTER

GM2323-01

FERNANDEZ, SALVADOR M

26,410

INSTITUTION TOTAL

1

CITY TOTAL

1

26,410

26,410

NEW HAVEN

YALE UNIVERSITY

CA22228-01

AM19930-01

AM20363-01

HD11018-01

COLE, CHARLES N

KASHGARIAN, MICHAEL

LI VOLSI, VIRGINIA A

ROONEY, SEAMUS A

INSTITUTION TOTAL

4

CITY TOTAL

4

65,753

53,060

35,378

63,364

65,753

53,060

35,378

63,364

THE PATHOLOGY OF RECOVERY FROM ACUTE RENAL INJURY

THE ORIGIN OF THE OSTEOCLAST

PULMONARY SURFACTANT PRODUCTION IN NEWBORN ANIMALS

217,555

CITY TOTAL

217,555

STORRS

UNIVERSITY OF CONNECTICUT

AI14278-01

BERG, CLAIRE M

\* INCLUDES DIRECT COST ONLY FOR NIH AWARDS

TRANSPOSSABLE ELEMENT MUTAGENESIS IN ESCHERICHIA COLI

28,786

NIH  
RESEARCH GRANTS \*

## GRANT NUMBER

## PRINCIPAL INVESTIGATOR

## CONNECTICUT

STORRS  
UNIVERSITY OF CONNECTICUT  
GM24062-01  
KEGELES, GERSON

	INSTITUTION TOTAL	CITY TOTAL	STATE TOTAL	
INSTITUTION TOTAL	2	2	7	
CITY TOTAL				65,605
STATE TOTAL				65,605
				309,570

DIST OF COL  
WASHINGTON  
GEORGETOWN UNIVERSITY  
AM19030-01A1  
HL22245-01  
PRINCIPATO, JOSEPH V  
SAUM, WILLIAM R

## INSTITUTION TOTAL

## CITY TOTAL

## STATE TOTAL

HOWARD UNIVERSITY  
CA21185-01A1  
CA22137-01  
ELDA DAH, ADNAN H  
SILVA, OMEGA L

## INSTITUTION TOTAL

## CITY TOTAL

## STATE TOTAL

## INSTITUTION TOTAL

## CITY TOTAL

## STATE TOTAL

FLORIDA  
CORAL GABLES  
UNIVERSITY OF MIAMI  
CA21992-01  
CORBETT, MICHAEL D

## INSTITUTION TOTAL

## CITY TOTAL

## STATE TOTAL

MIAMI  
UNIVERSITY OF MIAMI  
CA2186-01A1  
BRIESE, FRANKLIN WINSTITUTION TOTAL  
CITY TOTAL  
STATE TOTALINSTITUTION TOTAL  
CITY TOTAL  
STATE TOTALDOLLARS  
AWARDED

	RELAXATION KINETICS OF RIBOSOME SUBUNIT INTERACTION	
INSTITUTION TOTAL	65,605	36,819
CITY TOTAL	65,605	
STATE TOTAL	309,570	

	TRANSFERRIN, IRON DONATION AND ACQUISITION	
INSTITUTION TOTAL	45,338	45,338
CITY TOTAL	26,500	
STATE TOTAL		26,500

	FUNCTIONAL CHARACTERISTICS OF ATRIAL RECEPTORS	
INSTITUTION TOTAL	71,838	71,838
CITY TOTAL		
STATE TOTAL		

	CANCER PATIENT DATA CONTROL EXPLORATORY STUDIES	
INSTITUTION TOTAL	70,303	42,200
CITY TOTAL	142,141	28,103
STATE TOTAL	142,141	

	HYDROXYAMIC ACID PRODUCTION BY MARINE ORGANISMS	
INSTITUTION TOTAL	52,697	52,697
CITY TOTAL	52,697	
STATE TOTAL	96,697	

	CANCER PATIENT DATA CONTROL EXPLORATORY STUDIES	
INSTITUTION TOTAL	44,000	44,000
CITY TOTAL	44,000	
STATE TOTAL	96,697	

NIH  
RESEARCH GRANTS \*

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
GEORGIA ATLANTA EMORY UNIVERSITY CA22294-01	KINKADE, JOSEPH M. JR	QUANTITATIVE STUDIES ON GRANULOCYTE DIFFERENTIATION	59,892
INSTITUTION TOTAL	1		59,892
UNIVERSITY SYSTEM OF GEORGIA--GEORGIA INSTITUTE OF TECHNOLOGY GM23474-01	MAY, SHELDON W	NON-HEME IRON OXYGENASE CATALYSIS	38,295
INSTITUTION TOTAL	1		38,295
CITY TOTAL	2		98,187
STATE TOTAL	2		98,187
HAWAII			
HONOLULU UNIVERSITY OF HAWAII SYSTEM--UNIVERSITY OF HAWAII AT MANOA CA21828-01	KOLONEL, LAURENCE N	REASONS FOR VARIATION IN CANCER PATIENT SURVIVAL BY RACE	57,898
INSTITUTION TOTAL	1		57,898
CITY TOTAL	1		57,898
STATE TOTAL	1		57,898
ILLINOIS			
CHICAGO AMERICAN ASSOCIATION OF PHYSICIANTS IN MEDICINE CA22286-01	SMITH, ALFRED R WOOTTON, PETER	AAPM CHARGED PARTICLE BEAM DOSIMETRY TASK GROUP AAPM FAST NEUTRON BEAM DOSIMETRY PHYSICS TASK GROUP	59,000 25,177
INSTITUTION TOTAL	2		84,177
AMERICAN DENTAL ASSOCIATION DE04709-01	WOZNIAK, WAYNE T	IMPROVED LUMINOPHORS FOR DENTAL PORCELAIN	26,151
INSTITUTION TOTAL	1		26,151
RUSH-PRESBYTERIAN-ST. LUKE'S MEDICAL CENTER AG00579-01	SCHNEIDER, ANNE S	AGING INTELLECT, AND CEREBRAL ATROPHY ON CT SCAN	40,950
INSTITUTION TOTAL	1		40,950

\* INCLUDES DIRECT COST ONLY FOR NIH AWARDS

NIH RESEARCH GRANTS \*

**TITLE OF RESEARCH PROPOSAL**

## PRINCIPAL INVESTIGATOR

ILLINOIS  
CHICAGO  
UNIVERSITY OF CHICAGO  
AM19622-01  
GM25234-01  
CA21776-01  
SCHWARTZ, NANCY B  
SIGLER, PAUL B  
SPEAR, PATRICIA G  
REGULATION OF BIOSYNTHESIS OF PROTEOGLYCAN  
SPECIFIC MOLECULAR INTERACTIONS AT THE CELL SURFACE  
HERPES VIRUS GENE EXPRESSION IN TRANSFORMED CELLS

INSTITUTION TOTAL 3 116,920  
UNIVERSITY OF ILLINOIS AT THE MEDICAL CENTER  
CA21684-01 EPSTEIN, SAMUEL S.  
CARCINOGENICITY OF ORALLY ADMINISTERED ASBESTOS 47,130

INSTITUTION TOTAL	1	47,130
CITY TOTAL	8	315,328
STATE TOTAL	8	315,328

INDIANA  
BLOOMINGTON  
INDIANA UNIVERSITY AT BLOOMINGTON  
HD11264-01  
HL21483-01  
INSTITUTION TOTAL 2  
CITY TOTAL 2  
PHYSIOLOGY AND GENETICS OF REPRODUCTION IN MAMMALS  
ELECTRONIC, THERMODYNAMIC AND KINETICS OF HEMOGLOBIN  
29,535  
16,096  
45,631  
45,631

INDIANAPOLIS  
INDIANA UNIVERSITY-PURDUE UNIVERSITY AT INDIANAPOLIS  
NS13925-01 MC BRIDE, WILLIAM J. ROLE OF TAURINE IN THE CEREBELLUM  
INSTITUTION TOTAL 1 29,269  
CITY TOTAL 1 29,269

WEST LAFAYETTE  
PURDUE UNIVERSITY  
GM 23889-01  
RRO 1077-01  
FY02103-01  
CA22239-01  
KEENAN, THOMAS W  
MARKEY, JOHN L  
PEPPERBERG, DAVID R  
TESSMAN, IRWIN  
ENDOMEMBRANE INTERCONVERSION IN MILK FORMATION  
A REGIONAL NMR RESOURCE FOR BIOMOLECULAR RESEARCH  
VISUAL PIGMENT AND PHOTO-RECEPTOR ADAPTATION  
REPAIR AND MUTAGENESIS OF DNA  
52,086  
60,930  
57,017  
46,796  
764,829  
764,829  
4

INCLUDES DIRECT COST ONLY FOR WITH AWARDS

NIH  
RESEARCH GRANTS \*

## TITLE OF RESEARCH PROPOSAL

DOLLARS  
AWARDED

## GRANT NUMBER

## PRINCIPAL INVESTIGATOR

IOWA	IOWA CITY	UNIVERSITY OF IOWA	KELSO, J A SCOTT ROBILLARD, JEAN E	MOVEMENT CONTROL FOLLOWING FINGER JOINT REPLACEMENT MATURATION OF THE FETAL KIDNEY	88,674	62,387
		AM20231-01				
		HD11466-01				
INSTITUTION TOTAL		2				
CITY TOTAL		2				
STATE TOTAL		2				
KANSAS	KANSAS CITY	UNIVERSITY OF KANSAS	BAST, JOSEPH D	NEUROENDOCRINE REGULATION OF REPRODUCTION IN THE RAT	38,400	38,400
		HD11103-01				
INSTITUTION TOTAL		1				
CITY TOTAL		1				
LAWRENCE	UNIVERSITY OF KANSAS	FLYNN, CYNTHIA B		MIGRATION OF AGED IN THE UNITED STATES		
	AG00703-01					
INSTITUTION TOTAL		1			47,946	47,946
CITY TOTAL		1				
STATE TOTAL		2			86,346	
KENTUCKY	LEXINGTON	EPHRAIM MC DOWELL COMMUNITY CANCER NETWORK				
	CA22124-01	GOLDENBERG, DAVID M		MC DOWELL COMMUNITY OUTREACH DEVELOPMENT PROGRAM		
INSTITUTION TOTAL		1				255,634
UNIVERSITY OF KENTUCKY	ZIMMER, STEPHEN G					
CA21807-01				EARLY GENE TRANSCRIPTION IN ADENOVIRUS 2 INFECTED CELLS		
INSTITUTION TOTAL		1			36,640	36,640
CITY TOTAL		2			292,274	

\* INCLUDES DIRECT COST ONLY FOR NIH AWARDS

NIH  
RESEARCH GRANTS \*

## GRANT NUMBER

## PRINCIPAL INVESTIGATOR

## TITLE OF RESEARCH PROPOSAL

DOLLARS  
AWARDED

KENTUCKY  
LOUISVILLE  
UNIVERSITY OF LOUISVILLE  
CA22091-01      MOORE, CONDICT  
CANCER CONTROL DEVELOPMENTAL AND SUPPORT GRANT  
187,559

INSTITUTION TOTAL      1      187,559  
CITY TOTAL      1      187,559  
STATE TOTAL      3      479,833

LOUISIANA  
NEW ORLEANS  
ALTON OCHSNER MEDICAL FOUNDATION  
AM19897-01      BOWEN, JOHN C  
GASTRIC MUCOSAL INTEGRITY: INTRACELLULAR HYPOXIA  
39,620

LOUISIANA STATE UNIVERSITY MEDICAL CENTER AT NEW ORLEANS  
HL121534-01      OALMANN, MARGARET C  
ATHEROSCLEROSIS, CORONARY HEART DISEASE, SUDDEN DEATH  
50,000

INSTITUTION TOTAL      1      50,000  
CITY TOTAL      2      89,620  
STATE TOTAL      2      89,620

MAINE  
WEST BOOTHBAY HARBOR  
NORTHEASTERN RESEARCH FOUNDATION  
ES01329-01A1      YENTSCH, CLARICE M  
ASSESSMENT OF HEALTH HAZARDS FROM TOXIC RED TIDE CYSTS  
37,900

INSTITUTION TOTAL      1      37,900  
CITY TOTAL      1      37,900  
STATE TOTAL      1      37,900

MARYLAND  
BALTIMORE  
JOHNS HOPKINS UNIVERSITY  
CA21642-01A1      GORDIS, LEON  
CA22130-01      HAYWARD, GARY S  
HD11016-01      NEWMAN, PETER K  
NS13992-01      SAFFRAN, ELEANOR M  
ENVIRONMENTAL EPIDEMIOLOGIC STUDY OF PANCREATIC CANCER  
STRUCTURAL ORGANIZATION OF HERPES VIRUS DNA MOLECULES  
MALARIA AND FERTILITY: THE CASE OF SRI LANKA  
READING MECHANISMS IN PHONEMIC DYSLEXICS AND NORMALS  
46,888  
64,955  
23,921  
32,257

NIH  
RESEARCH GRANTS \*DOLLARS  
AWARDED

## TITLE OF RESEARCH PROPOSAL

## GRANT NUMBER PRINCIPAL INVESTIGATOR

MARYLAND							
BALTIMORE							
JOHNS HOPKINS UNIVERSITY							
AI 13449-01A1	SCHILLER, EVERETT L						
AM20328-01	VALLE, DAVID L						
INSTITUTION TOTAL	6						
	253,575						
UNIVERSITY OF MARYLAND SYSTEM--UNIVERSITY OF MARYLAND AT BALTIMORE							
DE04795-01	MINAH, GLENN E						
INSTITUTION TOTAL	1						
	20,398						
CITY TOTAL	7						
	273,973						
BETHESDA							
TRANSNATIONAL FAMILY RESEARCH INSTITUTE							
HD11068-01	DAVID, HENRY P						
INSTITUTION TOTAL	1						
	77,350						
CITY TOTAL	1						
	77,350						
STATE TOTAL	8						
	351,323						
MASSACHUSETTS							
AMHERST							
UNIVERSITY OF MASSACHUSETTS AT AMHERST							
HD11252-01	BLACK, DONALD L						
INSTITUTION TOTAL	1						
	28,750						
CITY TOTAL	1						
	28,750						
BOSTON							
AFFILIATED HOSPITALS CENTER--PETER BENT BRIGHAM HOSPITAL							
CA23053-01	MATTHEWS-ROTH, MICHELLE N						
DE04677-01	SONIS, STEPHEN T						
HL22528-01	TAGER, IRA B						
INSTITUTION TOTAL	3						
	131,226						
BETH ISRAEL HOSPITAL							
AM20062-01	LANDSBERG, LEWIS						
INSTITUTION TOTAL	1						
	23,996						

\* INCLUDES DIRECT COST ONLY FOR NIH AWARDS

NIH  
RESEARCH GRANTS \*

## GRANT NUMBER

## PRINCIPAL INVESTIGATOR

DOLLARS  
AWARDED

MASSACHUSETTS

BOSTON BIOMEDICAL RESEARCH INSTITUTE  
GM23422-01  
FISHER, ROBERT J

INSTITUTION TOTAL

1

59,602

BOSTON UNIVERSITY  
HL20637-01  
EY01990-01  
AM20403-01JENKINS, C DAVID  
LAING, RONALD A  
LANG, MICHAEL A

INSTITUTION TOTAL

3

284,784

RECOVERY AFTER HEART SURGERY: BIO-BEHAVIORAL FACTORS  
METABOLIC STUDIES OF CORNEAL TISSUES  
CELL VOLUME REGULATION DURING OSMOTIC STRESS

INSTITUTION TOTAL

1

161,246

CHILDREN'S HOSPITAL MEDICAL CENTER  
HD10818-01  
FOX, THOMAS O  
LEVITON, ALAN

INSTITUTION TOTAL

2

143,302

STEROID RECEPTOR MECHANISMS IN DEVELOPING MOUSE BRAIN  
CLASSIFICATION AND ETIOLOGY OF CHILDHOOD BRAIN TUMORS

INSTITUTION TOTAL

1

213,557

EYE RESEARCH INSTITUTE OF RETINA FOUNDATION  
EY01703-01A1  
ADOLPH, ALAN R

INSTITUTION TOTAL

1

43,302

FORSYTH DENTAL CENTER  
DE04881-01  
SOCRANSKY, SIGMUND S

INSTITUTION TOTAL

1

213,557

HERPES VIRUS ATELLES DNA AND ONCOGENIC TRANSFORMATION  
EPISODIC HYPERTENSION ASSOCIATED WITH HUMAN BEHAVIOR  
PROTEIN SYNTHESIS REGULATION BY CYCLIC AMP AND STEROID  
MAMMALIAN SPERMATOGENESIS: CELL MEMBRANE BIOCHEMISTRY

INSTITUTION TOTAL

4

160,858

HARVARD UNIVERSITY  
CA22271-01  
HL20364-01A1  
AM20274-01  
HD11267-01PLECKENSTEIN, BERNHARD  
HERD, J ALAN  
LIU, ALICE Y  
MILLETTE, CLARKE F

INSTITUTION TOTAL

4

143,944

MASSACHUSETTS GENERAL HOSPITAL  
AM20701-01  
CA21239-01FITZPATRICK, THOMAS B  
SUIT, HERMAN D

INSTITUTION TOTAL

2

12,500

1,440,444

SIDNEY FARBER CANCER INSTITUTE  
CA22030-01ENSMINGER, WILLIAM D  
METHOTREXATE WITH PROTECTION BY THYMIDYLATE PRECURSOR

## GRANT NUMBER      PRINCIPAL INVESTIGATOR      TITLE OF RESEARCH PROPOSAL

## MASSACHUSETTS

BOSTON

SIDNEY FARBER CANCER INSTITUTE

CA22042-01

STILES, CHARLES D

INSTITUTION TOTAL

2

TUFTS UNIVERSITY

CA22269-01

MIKKELSEN, ROSS B

INSTITUTION TOTAL

1

CITY TOTAL

21

## CAMBRIDGE

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

CA21951-01

ARCHER, MICHAEL C

RR01096-01

MARTIN, WILLIAM A

GM24009-01

TORRIANI-GORINI, ANNAMARIA

MECHANISM OF NITROSAMINE ALKYLATION OF DNA AND RNA  
LABORATORY FOR CLINICAL DECISION MAKING  
ENZYME SYNTHESIS, STRUCTURE--E COLI ALKALINE PHOSPHATASE

INSTITUTION TOTAL

3

CITY TOTAL

3

130,848  
130,848CHESTNUT HILL  
BOSTON COLLEGE

PETRI, WILLIAM H

INSTITUTION TOTAL

1

CITY TOTAL

1

36,006  
36,006

STATE TOTAL

26

2,882,152

## MICHIGAN

ANN ARBOR

UNIVERSITY OF MICHIGAN

CA21808-01

FOLK, WILLIAM R

AI14363-01

FRIEDMAN, DAVID I

GM24872-01

MEISLER, MIRIAM H

NS13792-01

SCHACHT, JOCHEN

ANALYSIS OF THE POLYOMA GENOME IN TRANSFORMED CELLS  
GENETICS OF HOST FACTORS IN INTEGRATIVE RECOMBINATION  
GENETIC REGULATION OF MOUSE ENZYMES  
MECHANISMS OF ANTIBIOTIC INDUCED HEARING LOSS

INSTITUTION TOTAL

4

CITY TOTAL

4

163,828  
163,828

NIH  
RESEARCH GRANTS \*

## PRINCIPAL INVESTIGATOR

DOLLARS  
AWARDEDMICHIGAN  
DETROIT  
HENRY FORD HOSPITAL  
HL21092-01

CARRETERO, OSCAR A

INSTITUTION TOTAL

1

WAYNE STATE UNIVERSITY  
CA21597-01  
AM19777-01  
CA22206-01

GALA, RICHARD R

KING, ALBERT I

MARNETT, LAWRENCE J

FACTORS OTHER THAN RENIN IN RENAL HYPERTENSION

INSTITUTION TOTAL

3

CITY TOTAL

4

130,864

164,802

ROCHESTER  
OAKLAND UNIVERSITY  
AGO723-01

ZEPPELIN, HAROLD

AGING AND THE QUALITY OF HUMAN SLEEP

INSTITUTION TOTAL

1

CITY TOTAL

1

STATE TOTAL

9

11,990

11,990

340,620

MINNESOTA  
MINNEAPOLIS  
UNIVERSITY OF MINNESOTA  
CA21899-01  
CA22195-01

ANDERS, MARION W

ESTENSEN, RICHARD D

METABOLISM AND CELLULAR INTERACTIONS OF HALOFORMS  
A COCARCINOGEN AS A LYMPHOCYTE MITOGEN

89,424

CITY TOTAL

2

89,424

ROCHESTER  
MAYO FOUNDATION  
HL21533-01

CHESEBRO, JAMES H

PLATELET INHIBITOR DRUG IN CORONARY SURGERY

INSTITUTION TOTAL

1

CITY TOTAL

1

STATE TOTAL

3

86,465

86,465

175,889

NIH  
RESEARCH GRANTS \*

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
MISSOURI COLUMBIA UNIVERSITY OF MISSOURI-COLUMBIA CA2289-01 AM20305-01	LOEPPKY, RICHARD N WOLFE, JOHN F	NITROSAMINE FRAGMENTATION AND NITROSAMINE CARCINOGENESIS NUCLEAR ANTIGEN IMMUNE MECHANISMS IN POLYNYOSITIS	31,636 21,440
INSTITUTION TOTAL CITY TOTAL	2 2		53,076 53,076
SAINST LOUIS JEWISH HOSPITAL OF ST. LOUIS AI14226-01	THOMAS, DAVID W	T LYMPHOCYTE AND MACROPHAGE INTERACTIONS	60,000
INSTITUTION TOTAL	1		60,000
ST. LOUIS UNIVERSITY CA20683-01 CA21824-01	ELICEIRI, GEORGE L GREEN, MAURICE	CONTROL MECHANISMS IN HUMAN TUMOR CELLS--SMALL RNAs TRANSFORMING PROTEINS OF THREE HUMAN ADENOVIRUS GROUPS	48,381 56,737
INSTITUTION TOTAL CITY TOTAL	2 3		105,118 165,118
UNIVERSITY CITY WASHINGTON UNIVERSITY NS13267-01A1	SWANSON, LARRY W	CONNECTIONS OF THE LIMBIC SYSTEM AND HYPOTHALAMUS	46,407
INSTITUTION TOTAL CITY TOTAL	1 1		46,407 46,407
STATE TOTAL	6		264,601
NEBRASKA OMAHA CREIGHTON UNIVERSITY AG00663-01 AI13652-01	BURCH, ROBERT E TRIMBLE, JOHN J, III	AGING: TISSUE TRACE ELEMENTS AND ENZYMATIC ACTIVITY CYTOPHYSIOLOGY OF NEMATODE INTESTINAL CELL SURFACE	32,500 23,660
INSTITUTION TOTAL CITY TOTAL STATE TOTAL	2 2 2		56,160 56,160 56,160

\* INCLUDES DIRECT COST ONLY FOR NIH AWARDS

NIH  
RESEARCH GRANTS \*

## GRANT NUMBER

## TITLE OF RESEARCH PROPOSAL

CITY TOTAL

42,850

DOLLARS  
AWARDED

NEW YORK	LAKE PLACID	LAKE PLACID CULTURE ASSOCIATION--W.	ALTON JONES CELL SCIENCE CENTER	
		AM 20515-01	Douglas, William H	4,195
		AG00338-01A1	SMITH, JAMES R	31,200
				CLONAL ANALYSIS OF AGING HUMAN DIPLOID CELL CULTURES
INSTITUTION TOTAL		2		35,395
CITY TOTAL		2		35,395

NEW YORK	AMERICAN CANCER SOCIETY	ARJE, SIDNEY L	ACS/NCI LYMPHOMAS & LEUKEMIAS NATIONAL CONFERENCE	50,000
INSTITUTION TOTAL		1		50,000

COLUMBIA UNIVERSITY	PERNIS, BENVENUTO G	THE PHYSIOLOGY OF LYMPHOCYTE IMMUNOGLOBULIN RECEPTORS	119,215
	STILL, WILLIAM C	SYNTHESIS OF ANTITUMOR AGENTS	34,944
INSTITUTION TOTAL	2		154,159

CORNELL UNIVERSITY MEDICAL CENTER	LEE, CHIN O	ION ACTIVITIES AND TRANSPORT IN CARDIAC MUSCLE CELLS	33,752
	STILK, SUSAN T	STUDIES OF ENZYMES IN HUMAN PLATELET MEMBRANES	30,000
INSTITUTION TOTAL	2		63,752

HOSPITAL FOR SPECIAL SURGERY	BURSTEIN, ALBERT H	MECHANICAL PROPERTIES OF NORMAL AND PATHOLOGIC BONE	70,741
INSTITUTION TOTAL	1		70,741

NEW YORK CITY HEALTH SERVICES ADMINISTRATION--PUBLIC	SHEFER, SARAH	INSTITUTE OF CITY OF N Y INBORN ERRORS IN BILE ACID SYNTHESIS	65,077
INSTITUTION TOTAL	1		65,077

NEW YORK UNIVERSITY	GEACINTOV, NICHOLAS E	CHARACTERIZATION OF CARCINOGEN-NUCLEIC ACID COMPLEXES	73,098
CA20851-01	GERSHEGORN, MARVIN C	REGULATION OF TSH SYNTHESIS AND SECRETION IN VITRO	45,000
AM20249-01	MERUELO, DANIEL	GENETIC CONTROL OF VIRUS-INDUCED LEUKEMIA	43,520

NIH  
RESEARCH GRANTS \*

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
NEW YORK NEW YORK NEW YORK UNIVERSITY HL21328-01 CA22085-01	OPPENHEIM, JOEL D PEARLSTEIN, EDWARD	THE I BLOOD GROUP ANTIGEN OF HUMAN ERYTHROCYTE MEMBRANE CELL ADHESION FACTOR: BIOLOGY AND CHEMISTRY	35,000 26,733
INSTITUTION TOTAL	5	223,351	
ROCKEFELLER UNIVERSITY CA22090-01 CA22582-01 RR01089-01	NATHAN, CARL F SCHEEK, GEORGE A SCHOENFELD, ROBERT L	MONONUCLEAR LEUKOCYTES IN TUMOR IMMUNITY EXOCRINE PANCREATIC PROTEIN IN CANCER OF THE PANCREAS A MICROPROCESSOR BIOTECHNOLOGY RESOURCE	64,171 38,011 88,041
INSTITUTION TOTAL	3	190,223	
SLOAN-KETTERING INSTITUTE FOR CANCER RESEARCH CA22131-01 CA22462-01 CA22038-01 CA22241-01	BOYSE, EDWARD A KOO, GLORIA C MC DONALD, JOSEPH C SCHEID, MARGRIT P	IMMUNOGENETICS OF LY SYSTEMS DIFFERENTIATIVE IMMUNOGENETICS: THE T/T LOCUS CALORIMETRIC DOSIMETRY FOR NEUTRON RADIOTHERAPY LYMPHOCYTE SUBSETS IN IMMUNE-DEFICIENCY STATES	104,186 31,389 35,358 37,783
INSTITUTION TOTAL	4	208,716	
STATE UNIVERSITY OF NEW YORK-DOWNSTATE MEDICAL CENTER HL21469-01 AM20080-01	LEE, KWANG S ROSENTHAL, CONSTANTIN J	ACTIVE TRANSPORT AND EFFECT OF CA++ IN SICKLE CELL SERUM AMYLOID A PROTEIN IN NEOPLASTIC DISEASES	43,170 40,605
INSTITUTION TOTAL	2	83,775	
CITY TOTAL	21	1,109,794	
ROCHESTER UNIVERSITY OF ROCHESTER GM24320-01 CA19764-01A1	DELICA, KARL A HEMPELMANN, LOUIS H	STRUCTURE OF THE BACTERIAL CHROMOSOME HUMAN RADIATION CARCINOGENESIS STUDY	83,070 77,953
INSTITUTION TOTAL	2	161,023	
CITY TOTAL	2	161,023	
SARANAC LAKE TRUDEAU INSTITUTE AI14383-01	POULTER, LEONARD W	MECHANISMS OF IMMUNITY TO LFISHMANIASIS	65,660
INSTITUTION TOTAL	1	65,660	
CITY TOTAL	1	65,660	

\* INCLUDES DIRECT COST ONLY FOR NIH AWARDS

NIH  
RESEARCH GRANTS \*

## GRANT NUMBER

## PRINCIPAL INVESTIGATOR

DOLLARS  
AWARDED

NEW YORK  
STONY BROOK  
STATE UNIVERSITY OF NEW YORK AT STONY BROOK  
RE01039-01A1 ALTMAN, LAWRENCE J  
DE04984-01 KLEINBERG, ISRAEL  
HD10933-01A1 TSENG, LINDA

INSTITUTION TOTAL	3
CITY TOTAL	3
STATE TOTAL	40

NORTH CAROLINA  
CHAPEL HILL  
UNIVERSITY OF NORTH CAROLINA SYSTEM-UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL  
GM24251-01 HARRIS, ALBERT K  
HL21139-01 MC DONAGH, JAN M

INSTITUTION TOTAL	2
CITY TOTAL	2
STATE TOTAL	40

DURHAM  
DUKE UNIVERSITY  
ES01186-01A2 ABOU-DONIA, MOHAMED B  
AM20205-01 BELL, ROBERT M  
DE00609-01 DANIELS, CHARLES A  
CA21172-01 LANG, DAVID J

INSTITUTION TOTAL	4
CITY TOTAL	4
STATE TOTAL	6
STATE TOTAL	278,791

OHIO  
CINCINNATI  
UNIVERSITY OF CINCINNATI  
HL21446-01 MC CUSKEY, ROBERT S  
HD11250-01 NIEWENHUIS, ROBERT J  
AM20269-01 ROE, RYONG-JOON

INSTITUTION TOTAL	3
CITY TOTAL	3
INSTITUTION TOTAL	3
CITY TOTAL	3
INSTITUTION TOTAL	121,808
CITY TOTAL	121,808

NEW YORK  
STATE FOR BIOMEDICAL NMR ON RADIOACTIVE SAMPLES  
STATEWORKSHOP ON SALIVA AND DENTAL CAVIES  
ESTRADION DEHYDROGENASE INDUCTION IN HUMAN ENDOMETRIUM

83,394  
45,727  
24,212

57,743  
47,890

37,072  
42,110  
32,188  
61,788

38,750  
28,758  
54,300

HEMODYNAMICS OF SICKLE CELLS IN THE MICRO CIRCULATION  
ULTRASTRUCTURAL EFFECTS OF CADMIUM ON THE TESTIS  
IN VIVO DEGRADATION OF POLYETHYLENE IMPLANTS

## GRANT NUMBER

## PRINCIPAL INVESTIGATOR

DOLLARS  
AWARDED

OHIO  
CLEVELAND  
CASE WESTERN RESERVE UNIVERSITY  
NS13889-01 GULLEY, ROBERT L  
INSTITUTION TOTAL 1  
CITY TOTAL 1  
75,600  
75,600

COLUMBUS  
OHIO STATE UNIVERSITY STOCKWELL, CHARLES W  
NS13903-01  
INSTITUTION TOTAL 1  
CITY TOTAL 1  
30,978  
30,978

DAYTON  
UNIVERSITY OF DAYTON TURGEON, ROBERT  
CA23261-01  
INSTITUTION TOTAL 1  
CITY TOTAL 1  
40,590  
40,590

ROOTSTOWN  
NORTHEASTERN OHIO UNIVERSITIES COLLEGE OF MEDICINE  
NS14346-01 CRUCE, WILLIAM L  
INSTITUTION TOTAL 1  
CITY TOTAL 1  
38,778  
38,778

TOLEDO  
MEDICAL COLLEGE OF OHIO AT TOLEDO  
CA21931-01 SKEEL, ROLAND T  
HL21291-01 TAN, SIANG Y  
INSTITUTION TOTAL 2  
CITY TOTAL 2  
STATE TOTAL 9  
118,000  
118,000  
425,754

NORTHWEST OHIO CANCER NETWORK OUTREACH PROGRAM  
RENIN-MINERALOCORTICOID AXIS IN HYPERTENSIVE DIABETICS  
89,500  
28,500

OKLAHOMA CITY  
UNIVERSITY OF OKLAHOMA HEALTH SCIENCES CENTER  
NS14039-01 KOSS, MICHAEL C  
\* INCLUDES DIRECT COST ONLY FOR NIH AWARDS  
ADRENERGIC CONTROL OF A CENTRAL AUTONOMIC SYSTEM  
23,767

NIH  
RESEARCH GRANTS \*

## GRANT NUMBER

## PRINCIPAL INVESTIGATOR

OKLAHOMA  
OKLAHOMA CITY  
UNIVERSITY OF OKLAHOMA HEALTH SCIENCES CENTER  
AM19503-01 METCOFF, JACK

INSTITUTION TOTAL	2	119,549
CITY TOTAL	2	119,549
STATE TOTAL	2	119,549

## OREGON

## CORVALLIS

OREGON STATE HIGHER EDUCATION SYSTEM--OREGON STATE UNIVERSITY  
ES01556-01 BUEHLER, DONALD R  
METABOLISM OF HEXACHLOROBENZENE--TOXICITY AND PORPHYRIA

INSTITUTION TOTAL	1	27,600
CITY TOTAL	1	27,600

PORTLAND  
MEDICAL RESEARCH FOUNDATION OF OREGON  
EY02086-01 HU, FUNAN

INSTITUTION TOTAL	1	36,559
CITY TOTAL	1	36,559
STATE TOTAL	2	64,159

## PENNSYLVANIA

HERSHEY  
PENNSYLVANIA STATE UNIVERSITY MILTON S. HERSHEY MEDICAL CENTER  
CA21799-01 ST JEOR, STEPHEN C  
HERPES VIRUS-INDUCED MALIGNANCY

INSTITUTION TOTAL	1	56,960
CITY TOTAL	1	56,960

## PHILADELPHIA

ALBERT EINSTEIN MEDICAL CENTER  
HL20994-01 KIMBEL, PHILIP

INSTITUTION TOTAL	1	619,772
-------------------	---	---------

## TITLE OF RESEARCH PROPOSAL

DOLLARS  
AWARDED

95,782

36,559

56,960

619,772

NIH  
RESEARCH GRANTS \*

## PRINCIPAL INVESTIGATOR

DOLLARS  
AWARDED

## GRANT NUMBER

## PENNSYLVANIA

## PHILADELPHIA

HAHNEMANN MEDICAL COLLEGE AND HOSPITAL OF PHILADELPHIA  
AT13337-01A1 MAGUIRE, HENRY C., JR  
REGULATION OF THE IMMUNE RESPONSE TO CONTACT ALLERGENS

INSTITUTION TOTAL 1

54,698

LANKENAU HOSPITAL  
HL2129-01 CHAO, TESSA L

34,249

INSTITUTION TOTAL 1

34,249

MEDICAL COLLEGE OF PENNSYLVANIA  
CA22170-01 BASKIN, STEVEN I

INSTITUTION TOTAL 1

23,950

UNIVERSITY OF PENNSYLVANIA

HL22345-01 BROWNELL, KELLY D  
CA22337-01 CAVA, MICHAEL P  
HL22463-01 GIL, JOHN  
EV01770-01 HURVICH, D JAMESON  
AM20361-01 TROTMAN, BRUCE W  
HD10379-01 WHITNEY, VINCENT H  
AI14332-01 ZWEIMAN, BURTON

INSTITUTION TOTAL 7

285,519

WISTAR INSTITUTE OF ANATOMY AND BIOLOGY  
AI14238-01 BRINTON, MARGO

INSTITUTION TOTAL 1

46,605

CITY TOTAL 12

1,064,793

PITTSBURGH  
CARNegie-PELLON UNIVERSITY

AM19660-01 HITCHCOCK, SARAH E  
INSTITUTION TOTAL 1

57,004

EYE AND EAR HOSPITAL OF PITTSBURGH  
EV01817-01 BROWN, STUART I

INSTITUTION TOTAL 1

90,008

BEHAVIORAL CARDIOVASCULAR COMPLIANCE STRATEGIES  
TUMOR-INHIBITORY ALKALOID STUDIES  
PINOCYTOTIC VESICLES & PULMONARY EDEMA  
MECHANISMS OF COLOR-CONTINGENT AFTEREFFECTS  
MODEL OF HUMAN PIGMENT GALLSTONES  
POPULATION STUDIES CENTER  
CELLULAR INFLAMMATORY RESPONSES IN ALLERGIC REACTIONS

29,069

44,386  
37,112  
19,319  
21,410  
39,283  
94,940

GENETICALLY DETERMINED RESISTANCE TO VIRUS INFECTIONS

46,605

STRUCTURAL MACROMOLECULES: NORMAL AND DISEASED CORNEA

90,008

NIH  
RESEARCH GRANTS \*

## GRANT NUMBER

## PRINCIPAL INVESTIGATOR

## PENNSYLVANIA

## PITTSBURGH

## UNIVERSITY OF PITTSBURGH

## DE04584-01

## SASSOUNI, VIKEN

## INSTITUTION TOTAL

## CITY TOTAL

1  
3

## AUTOMATED PHYSIOPRINTING OF FACIAL PATTERN

46,462

46,462  
193,474

## UNIVERSITY PARK

## PENNSYLVANIA STATE UNIVERSITY

## AM20374-01

GAY, CAROL V  
STEVENS, STANLEY E., JR  
GM23524-01  
AT13420-01A1  
TERSHAK, DANIEL RULTRASTRUCTURAL STUDIES OF BIOLOGICAL MINERALIZATION  
CONTROL OF NITROGEN ASSIMILATION IN BLUE-GREEN ALGAE  
DELETION MUTANTS OF POLIOVIRUS

## INSTITUTION TOTAL

## CITY TOTAL

3  
3

## STATE TOTAL

## 19

## RHODE ISLAND

## KINGSTON

## UNIVERSITY OF RHODE ISLAND

## CA22338-01

SHIMIZU, YUZURU

MARINE BIOPOLYMERS WITH CELL SPECIFICITY

## INSTITUTION TOTAL

## CITY TOTAL

1  
1

## STATE TOTAL

## 1

21,410

21,410

## STATE TOTAL

21,410

## SOUTH CAROLINA

## COLUMBIA

## UNIVERSITY OF SOUTH CAROLINA

## AM19971-01

## BAYNES, JOHN W

CLEARANCE OF GLYCOPROTEINS FROM THE CIRCULATION

## INSTITUTION TOTAL

## CITY TOTAL

1  
1

## STATE TOTAL

1

49,581

49,581

## STATE TOTAL

49,581

46,462

36,955

39,462

27,139

TENNESSEE  
KNOXVILLE  
UNIVERSITY OF TENNESSEE SYSTEM--UNIVERSITY OF TENNESSEE AT KNOXVILLE  
GM24271-01BRYANT, ROBERT E  
RNA POLYMERASE MUTATIONS IN MAMMALIAN CELLS

\* INCLUDES DIRECT COST ONLY FOR NIH AWARDS

DOLLARS  
AWARDED

NIH  
RESEARCH GRANTS \*DOLLARS  
AWARDED

## GRANT NUMBER PRINCIPAL INVESTIGATOR TITLE OF RESEARCH PROPOSAL

INSTITUTION TOTAL	CITY TOTAL	33,707
INSTITUTION TOTAL	CITY TOTAL	33,707
TENNESSEE		
MEMPHIS		
ST. JUDE CHILDREN'S RESEARCH HOSPITAL	MAUER, ALVIN M	CANCER CENTER SUPPORT (CORE) GRANT
CA21765-01	MAUER, ALVIN M	LEUKEMIA PROGRAM PROJECT
CA20180-01	MAUER, ALVIN M	
INSTITUTION TOTAL	2	1,901,839
CITY TOTAL	2	1,901,839

NASHVILLE	VANDERBILT UNIVERSITY	GLUCOCORTICOID PERMISSIVE ACTION ON LIVER METABOLISM
AM20306-01	CHAN, TIMOTHY M	37,236
INSTITUTION TOTAL	1	37,236
CITY TOTAL	1	37,236
STATE TOTAL	4	1,972,782
TEXAS		
AUSTIN		
UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS AT AUSTIN	WHITESELL, JAMES K	THE TOTAL SYNTHESIS OF SARRACENIN
CA21852-01		
INSTITUTION TOTAL	1	32,815
CITY TOTAL	1	32,815

COLLEGE STATION	TEXAS AGRICULTURAL AND MECHANICAL UNIVERSITY SYSTEM--TEXAS AGRICULTURAL AND MECHANICAL UNIVERSITY	UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT DALLAS
AM20528-01	SCOTT, AIAN	SCOTT, AIAN
INSTITUTION TOTAL	1	88,668
CITY TOTAL	1	88,668
DALLAS		
UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT DALLAS	PRICE, KENNETH F	PRICE, KENNETH F
HL20655-01		AUTONOMIC PREDICTORS OF HYPERTENSION IN CHILDREN
INSTITUTION TOTAL	1	51,420
* INCLUDES DIRECT COST ONLY FOR NIH AWARDS		

NIH  
RESEARCH GRANTS \*DOLLARS  
AWARDED

GRANT NUMBER	PRINCIPAL INVESTIGATOR	CITY TOTAL	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
TEXAS		51,420		
DENTON		1		
TEXAS WOMAN'S UNIVERSITY				
HD11008-01	PENDERGRASS, PAULA B			
INSTITUTION TOTAL	1	9,794	CONTRACTILE MECHANISMS OF MAMMALIAN OVULATION	9,794
CITY TOTAL	1	9,794		
GALVESTON				
UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS MEDICAL BRANCH AT GALVESTON				
CA20667-01	GOLDSTEIN, ALLAN L		HERPES VIRUS ANTIGENS IN TRANSFORMED CELLS	36,000
NS13311-01A1	MC ADOO, DAVID J		ANTIOXIDANT REVERSED CYTOTOXICITY AND CARCINOGENESIS	21,208
INSTITUTION TOTAL	2	57,208	STUDIES OF PURIFIED HERPES SIMPLEX VIRUS GLYCOPROTEINS	46,502
CITY TOTAL	2	57,208	PREGNANCY AND DES ASSOCIATED UPPER GENITAL ANOMALIES	47,426
INSTITUTION TOTAL	5	217,355	NEUROTRANSMITTERS IN THE VISUAL SYSTEM	58,273
HOUSTON				
BAYLOR COLLEGE OF MEDICINE				
CA21801-01	CABRAL, GUY A			
CA22261-01	CHAN, JARVIS T			
CA21771-01	COURTNEY, RICHARD J			
HD10989-01	KAUFMAN, RAYMOND H			
EY02423-01	LAM, DOMINIC M			
INSTITUTION TOTAL	1	11,967		
TEXAS DEPARTMENT OF MENTAL HEALTH AND MENTAL RETARDATION--TEXAS RESEARCH INST OF MENTAL SCIENCES				
AG00725-01	SMITH, ROBERT C		AGING AND TOXICITY OF CHRONIC NEUROLEPTIC DRUGS	11,967
INSTITUTION TOTAL	1	11,967		
UNIVERSITY OF HOUSTON				
HL21476-01	FELDMAN, STUART		ANTICOAGULANT DRUG ABSORPTION INTERACTIONS	38,798
INSTITUTION TOTAL	1	38,798		
UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT HOUSTON				
DE04602-01	BULLOCK, WESLEY W		REGULATION OF CUTANEOUS BASOPHIL HYPERSENSITIVITY	26,023
INSTITUTION TOTAL	1	26,023		
CITY TOTAL	8	294,143		

\* INCLUDES DIRECT COST ONLY FOR NIH AWARDS

NIH  
RESEARCH GRANTS \*

## GRANT NUMBER PRINCIPAL INVESTIGATOR TITLE OF RESEARCH PROPOSAL

DOLLARS  
AWARDED

TEXAS LUBBOCK TEXAS TECH UNIVERSITY HL21145-01	ROBERTS, LOU A	RESPONSE OF ATRIA TO HYPEROSMOLALITY--MECHANISMS INSTITUTION TOTAL 1 CITY TOTAL 1	30,519 30,519	30,519
---	----------------	---	------------------	--------

SAN ANTONIO SOUTHWEST FOUNDATION FOR RESEARCH AND EDUCATION CA21864-01	SHAIN, SYDNEY A	PROSTATIC CARCINOGENESIS: DISDIFFERENTIATION IN AGING INSTITUTION TOTAL 1 CITY TOTAL 1	49,656	49,656
--	-----------------	--	--------	--------

UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT SAN ANTONIO CA22343-01	CHAMNESS, GARY C	MECHANISM OF ANTIESTROGEN ACTION IN BREAST CANCER INSTITUTION TOTAL 1 CITY TOTAL 2 STATE TOTAL 17	40,635 90,291 654,858	40,635
--	------------------	--	-----------------------------	--------

UTAH SALT LAKE CITY UTAH STATE HIGHER EDUCATION SYSTEM--UNIVERSITY OF UTAH CA21797-01	GURNEY, ELIZABETH T LEE, G RICHARD	GROWTH CONTROL AND VIRAL GENE EXPRESSION STUDIES IN COPPER AND IRON METABOLISM INSTITUTION TOTAL 2 CITY TOTAL 2 STATE TOTAL 2	167,823 167,823 167,823	38,754 129,069
--	---------------------------------------	---	-------------------------------	-------------------

VERMONT BURLINGTON UNIVERSITY OF VERMONT AND STATE AGRICULTURAL COLLEGE CA21258-01 CA21863-01	BRESNICK, EDWARD GANS, JOSEPH H	IN VIVO-IN VITRO MODEL FOR IDENTIFICATION OF CARCINOGENS ADAPTATION TO CHEMICAL INJURY INSTITUTION TOTAL 2 CITY TOTAL 2 STATE TOTAL 2	87,703 87,703 87,703	52,989 34,714
---	------------------------------------	---	----------------------------	------------------

\* INCLUDES DIRECT COST ONLY FOR NIH AWARDS

NIH  
RESEARCH GRANTS \*

## GRANT NUMBER

## PRINCIPAL INVESTIGATOR

DOLLARS  
AWARDED

VIRGINIA  
NORFOLK  
EASTERN VIRGINIA MEDICAL AUTHORITY--EASTERN VIRGINIA MEDICAL SCHOOL  
AM21374-01 COOKE, WILLIAM J

INSTITUTION TOTAL 1 34,000  
CITY TOTAL 1 34,000

RICHMOND  
UNIVERSITY OF RICHMOND  
AM20148-01 TOPHAM, RICHARD W

INSTITUTION TOTAL 1 29,090

VIRGINIA COMMONWEALTH UNIVERSITY  
HL22435-01 GLAUSER, FREDERICK L

INSTITUTION TOTAL 1 28,114  
CITY TOTAL 2 57,204  
STATE TOTAL 3 91,204

WASHINGTON  
PULLMAN STATE UNIVERSITY  
HL21462-01 CAMPBELL, KENNETH B  
HD10808-01 GRISWOLD, MICHAEL D  
NS13976-01 HARDING, JOSEPH W

INSTITUTION TOTAL 3 108,807  
CITY TOTAL 3 108,807

SEATTLE  
UNIVERSITY OF WASHINGTON  
CA21880-01 JONES, ROBERT F  
AG00896-01 WILKIE, FRANCES L

INSTITUTION TOTAL 2 126,602  
CITY TOTAL 2 126,602  
STATE TOTAL 5 235,409

NIH  
RESEARCH GRANTS \*

## GRANT NUMBER

## PRINCIPAL INVESTIGATOR

## TITLE OF RESEARCH PROPOSAL

DOLLARS  
AWARDED

## WEST VIRGINIA

## MORGANTOWN

## WEST VIRGINIA UNIVERSITY

## HD1679-01

BUTCHER, ROY L  
AM21348-01  
HEDGE, GEORGE A

## INSTITUTION TOTAL

2

## CITY TOTAL

2

## STATE TOTAL

2

## INSTITUTION TOTAL

2

## CITY TOTAL

2

## STATE TOTAL

2

## INSTITUTION TOTAL

2

## CITY TOTAL

2

## STATE TOTAL

2

## WISCONSIN

## UNIVERSITY OF WISCONSIN SYSTEM--UNIVERSITY OF WISCONSIN-MADISON

HD10533-01A1  
BRIDSON, WILLIAM ENS13878-01  
HOKIN, MABEL RAI14354-01  
HONG, RICHARDAM20474-01  
MADSEN, PAUL O

## INSTITUTION TOTAL

4

## CITY TOTAL

4

NIH  
RESEARCH GRANTS \*

## GRANT NUMBER PRINCIPAL INVESTIGATOR

			DOLLARS AWARDED
PUERTO RICO			
SAN JUAN			
UNIVERSITY OF PUERTO RICO MEDICAL SCIENCES			
AI14791-0 1	HA BEEB, AHMED F S A	DETERMINATION OF THE ANTIGENIC STRUCTURE OF LYSOZYME	26,752
INSTITUTION TOTAL	1		26,752
CITY TOTAL	1		26,752
STATE TOTAL	1		26,752
AUSTRALIA			
PARVILLE			
UNIVERSITY OF MELBOURNE			
CA2492-0 1	METCALF, DONALD	REGULATION OF B-LYMPHOCYTE COLONIES	38,839
INSTITUTION TOTAL	1		38,839
CITY TOTAL	1		38,839
STATE TOTAL	1		38,839
CANADA			
LONDON			
UNIVERSITY OF WESTERN ONTARIO			
CA21311-0 1	MORRIS, VINCENT L	CONTROL OF EXPRESSION OF MOUSE MAMMARY TUMOR VIRUS	45,783
INSTITUTION TOTAL	1		45,783
CITY TOTAL	1		45,783
STATE TOTAL	1		45,783
GERMANY FED R			
ESSEN			
UNIVERSITY OF ESSEN			
CA20017-0 1A1	RAJENSKY, MANFRED F	NERVOUS SYSTEM-SPECIFIC CHEMICAL CARCINOGENESIS	39,280
INSTITUTION TOTAL	1		39,280
CITY TOTAL	1		39,280
STATE TOTAL	1		39,280
TOTAL	271		18,592,922

NIH  
RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	DOLLARS AWARDED
ALABAMA BIRMINGHAM UNIVERSITY OF ALABAMA IN BIRMINGHAM CB74092-00	NIEDERMEIER, WILLIAM	STUDY OF TRANSFORMED MAMMARY EPITHELIAL CELLS IN VITRO	100,500
INSTITUTION TOTAL CITY TOTAL	1 1	100,500 100,500	
STATE TOTAL	1	100,500	
ARIZONA TUCSON UNIVERSITY OF ARIZONA ES72111-00	SIPES, GLEN	EXTRAPOLATION OF PCB DEPOSITION	194,355
INSTITUTION TOTAL CITY TOTAL	1 1	194,355 194,355	
STATE TOTAL	1	194,355	
CALIFORNIA LA JOLLA SCRIPPS CLINIC AND RESEARCH FOUNDATION AM72223-00	CROSBY, WILLIAM H	RADIOISOTOPE TEST OF IRON CHELATOR SCREEN	10,000
INSTITUTION TOTAL	1	10,000	
UNIVERSITY OF CALIFORNIA AT SAN DIEGO CB74188-00	SATO, GORDON H	GROWTH/PASSAGE OF MAMMARY EPITHELIAL CELLS IN CULTURE	55,700
INSTITUTION TOTAL CITY TOTAL	1 2	55,700 65,700	
LOS ANGELES UNIVERSITY OF CALIFORNIA AT LOS ANGELES CB74202-00	SPIVEY, GARY H	EPIDEMIOLOGY OF BENIGN BREAST DISEASE	146,000
INSTITUTION TOTAL CITY TOTAL	1 1	146,000 146,000	
SANTA CRUZ UNIVERSITY OF CALIFORNIA AT SANTA CRUZ CB74091-00	TALAMANTES, FRANK J, JR	ESTROGEN/PROGESTIN EFFECTS ON BREAST IN NEONATAL PERIOD	91,200

NIH  
RESEARCH CONTRACTSDOLLARS  
AWARDED

## CONTRACT NUMBER

## PROJECT DIRECTOR

## SCOPE OF WORK

INSTITUTION TOTAL	1	91,200
CITY TOTAL	1	91,200

## CALIFORNIA

STANFORD	NISFIELDT, DAYTON S	GROWTH/PASSAGE OF MAMMARY EPITHELIAL CELLS IN CULTURE	63,500
STANFORD UNIVERSITY	SUSSMAN, HOWARD H	BIOLOGIC MARKERS IN BREAST CANCER PATIENTS	111,400
CB74094-00			
CB74086-00			

INSTITUTION TOTAL	2	174,900
CITY TOTAL	2	174,900
STATE TOTAL	6	477,800

CONNECTICUT	LINDQUIST, RICHARD R	EFFECT OF MAMMARY CANCER CELLS ON VASCULAR ENDOTHELIUM	84,200
FARMINGTON			
UNIVERSITY OF CONNECTICUT HEALTH CENTER			
CB74089-00			

INSTITUTION TOTAL	1	84,200
CITY TOTAL	1	84,200
STATE TOTAL	1	84,200

DIST OF COL			
WASHINGTON			
EBON RESEARCH SYSTEMS		STATISTICAL SUPPORT FOR NCI SERUM PANEL	49,832
CB74210-00			

INSTITUTION TOTAL	1	49,832	
NATIONAL ACADEMY OF SCIENCES		NATIONAL SURVEY OF ANIMAL FACILITIES AND RESOURCES	125,000
RR72114-00	GROGAN, EARL		

INSTITUTION TOTAL	1	125,000	
VETERANS ADMINISTRATION HOSPITAL		ESTABLISH AND MAINTAIN AN ANIMAL HOLDING FACILITY	142,215
AI72526-00	BARBOUR, LARRY L		
INSTITUTION TOTAL	1	142,215	
CITY TOTAL	3	317,047	
STATE TOTAL	3	317,047	

NIH  
RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	DOLLARS AWARDED
FLORIDA FORT LAUDERDALE LEO GOODWIN INSTITUTE FOR CANCER RESEARCH CM77165-00	WARREN, JOEL	OPERATE A PRIMARY GENETIC CENTER FOR GERMFREE RODENTS	457,920
INSTITUTION TOTAL CITY TOTAL	1 1	457,920 457,920	
GAINESVILLE STATE UNIVERSITY SYSTEM OF FLORIDA--UNIVERSITY OF FLORIDA DE72404-00	LOTZKAR, STANLEY	USE OF MOUTHRINSE ON DENTAL CARIOS PREVENTION	75,746
INSTITUTION TOTAL CITY TOTAL	1 1	75,746 75,746	
MIAMI UNIVERSITY OF MIAMI AM72224-00	PEREZ, GUIDO O	SERUM CHOLESTEROL BINLING RESERVE IN UREMIA	15,000
INSTITUTION TOTAL CITY TOTAL STATE TOTAL	1 1 3	15,000 15,000 548,666	
GEORGIA ATLANTA EMORY UNIVERSITY CP71034-00 CB74101-00	JONES, HENRY E PREEDY, JOHN R	EPA/NCI SPECIAL SKIN CANCER EPIDEMIOLOGY STUDY ENDOCRINE EVENTS AT THE TIME OF FIRST PREGNANCY	123,469 114,650
INSTITUTION TOTAL CITY TOTAL STATE TOTAL	2 2 2	238,119 238,119 238,119	
HAWAII HONOLULU UNIVERSITY OF HAWAII SYSTEM--UNIVERSITY OF HAWAII AT MANOA CN75399-00	PIETTE, LAWRENCE	COMMUNITY BASED CANCER CONTROL PROGRAM	129,500
INSTITUTION TOTAL CITY TOTAL	1 1	129,500 129,500	

NIH  
RESEARCH CONTRACTSDOLLARS  
AWARDED

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	DOLLARS AWARDED
STATE TOTAL	1	129,500	
ILLINOIS			
CHICAGO			
UNIVERSITY OF CHICAGO	NEWCOMB, RICHARD W	PRODUCTION OF SPECIFIC ANTISERA	63,346
DE72406-00			
INSTITUTION TOTAL	1	63,346	
CITY TOTAL	1	63,346	
STATE TOTAL	1	63,346	
MARYLAND			
BALTIMORE			
JOHNS HOPKINS UNIVERSITY	AURELIAN, LAURE	IMMUNOLOGICAL MARKERS APPLICABLE TO CYTOLOGY AUTOMATION	75,000
CB74170-00			
INSTITUTION TOTAL	1	75,000	
CITY TOTAL	1	75,000	
BETHESDA			
WHITAKER CORPORATION--MICROBIOLOGICAL ASSOCIATES	KOHNE, DAVID	VIRUS DETECTION IN DISEASED CENTRAL NERVOUS SYSTEM	99,000
NS72362-00			
INSTITUTION TOTAL	1	99,000	
CITY TOTAL	1	99,000	
GAITHERSBURG			
GEOMET, INC.	POCINKI, LEON S	EPA/NCI SPECIAL SKIN CANCER EPIDEMIOLOGY STUDY	123,870
CP71045-00			
INSTITUTION TOTAL	1	123,870	
INFORMATION PLANNING ASSOCIATES			
C075388-00	WILLIAMS, WILLIAM L	ASSEMBLY AND DISTRIBUTION OF COMMITTEE BOOKS	89,701
INSTITUTION TOTAL	1	89,701	
CITY TOTAL	2	213,571	
KENSINGTON			
LITTON INDUSTRIES--LITTON BIONETICS	MARTIN, DAVID P		
DE72405-00			
SJOGREN'S SYNDROME, APHTHOUS ULCERS & BEHGET'S SYNDROME			28,334

NIH  
RESEARCH CONTRACTSDOLLARS  
AWARDED

## CONTRACT NUMBER PROJECT DIRECTOR SCOPE OF WORK

INSTITUTION TOTAL	1	28,334
CITY TOTAL	1	28,334

**MARYLAND**  
ROCKVILLE  
TRACOR, INC. --TRACOR JITCO  
LM74712-00 THOMAS, BURNES B., JR CATALOGING BACKLOG AT NLM

INSTITUTION TOTAL	1	39,950
CITY TOTAL	1	39,950

STATE TOTAL	6	455,855
-------------	---	---------

**MASSACHUSETTS**  
LOWELL  
UNIVERSITY OF LOWELL BRUCE, JOHN T SUPPLY SCHISTOSOME INFECTED SNAILS AND MAMMALS

INSTITUTION TOTAL	1	112,795
CITY TOTAL	1	112,795

**NATICK**  
CONTROL LOGIC  
GM72116-00 ESSERIAN, A JOHN OPTICAL BAR CODE SCANNING SYSTEM

INSTITUTION TOTAL	1	98,500
CITY TOTAL	1	98,500

STATE TOTAL	2	211,295
-------------	---	---------

**MICHIGAN**  
DETROIT  
MICHIGAN CANCER FOUNDATION CP71040-00 RICH, MARVIN A EPA/NCI SPECIAL SKIN CANCER EPIDEMIOLOGY STUDY

INSTITUTION TOTAL	1	87,190
CITY TOTAL	1	87,190

STATE TOTAL	1	87,190
-------------	---	--------

NIH  
RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	DOLLARS AWARDED
MINNESOTA MINNEAPOLIS UNIVERSITY OF MINNESOTA CP71043-00	SCHUMAN, LEONARD M	EPA/NCI SPECIAL SKIN CANCER EPIDEMIOLOGY STUDY	20,855
INSTITUTION TOTAL	1	20,855	
CITY TOTAL	1	20,855	
STATE TOTAL	1	20,855	
MISSOURI COLUMBIA UNIVERSITY OF MISSOURI-COLUMBIA AM72217-00	HILLER, FREDERICK N	EFFECTS OF PERITONEAL DIALYSIS ON MICRO CIRCULATION	54,625
INSTITUTION TOTAL	1	54,625	
CITY TOTAL	1	54,625	
STATE TOTAL	1	54,625	
NEW MEXICO ALBUQUERQUE UNIVERSITY OF NEW MEXICO CP71036-00	KEY, CHARLES R	EPA/NCI SPECIAL SKIN CANCER EPIDEMIOLOGY STUDY	55,785
INSTITUTION TOTAL	1	55,785	
CITY TOTAL	1	55,785	
STATE TOTAL	1	55,785	
NEW YORK ALBANY UNION COLLEGE AND UNIVERSITY SYSTEM-ALBANY MEDICAL COLLEGE CB74107-00	GOODMAN, A DAVID	RELATION OF THYROID FUNCTION TO MAMMARY TUMOR GROWTH	34,200
INSTITUTION TOTAL	1	34,200	
CITY TOTAL	1	34,200	
BUFFALO NEW YORK STATE DEPARTMENT OF HEALTH--ROSWELL PARK MEMORIAL INSTITUTE CH77118-00	PAPAHADJOPOULOS, D P	LIPOSOMAL ENCAFSULATION OF ANTITUMOR AGENTS	163,348
INSTITUTION TOTAL	1	163,348	

NIH  
RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	DOLLARS AWARDED
CITY TOTAL	1		163,348
NEW YORK FARMINGDALE ARTEK SYSTEMS CORPORATION CB7128-00	FITCHENER, WILLIAM R	T V CELL SCANNING AND DISPLAY SYSTEMS	142,533
INSTITUTION TOTAL	1		142,533
CITY TOTAL	1		142,533
NEW YORK MEMORIAL HOSPITAL FOR CANCER AND ALLIED DISEASES CB74206-00	SCHWARTZ, MORTON K	BIOLOGIC MARKERS IN BREAST CANCER PATIENTS	97,300
INSTITUTION TOTAL	1		97,300
MEMORIAL SLOAN-KETTERING CANCER CENTER CB74097-00	ROSEN, PAUL P	DISSEMINATED CANCER IN INVASIVE MAMMARY CARCINOMA	70,031
INSTITUTION TOTAL	1		70,031
CITY TOTAL	2		167,331
ROCHESTER UNIVERSITY OF ROCHESTER CB74204-00	HILP, RUSSELL	STUDY METHODS TO PREDICT CHEMOTHERAPY SENSITIVITY	72,600
INSTITUTION TOTAL	1		72,600
CITY TOTAL	1		72,600
STATE TOTAL	6		580,012
NORTH CAROLINA DURHAM DUKE UNIVERSITY HD72804-00	PIZZO, SALVATORE V	ORAL CONTRACEPTIVES, ANTITHROBIN III, AND FIBRINOLYSIS	48,721
INSTITUTION TOTAL	1		48,721
CITY TOTAL	1		48,721
STATE TOTAL	1		48,721

NIH  
RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	DOLLARS AWARDED
OHIO			
CLEVELAND			
CASE WESTERN RESERVE UNIVERSITY DE7403-00	CAPLAN, ARNOLD I	PREPARE CULTURES OF EMBRYONIC CHICK LIMB CHONDROCYTES	26,113
INSTITUTION TOTAL	1		26,113
CITY TOTAL	1		26,113
STATE TOTAL	1		26,113
PENNSYLVANIA			
PHILADELPHIA			
FRANKLIN INSTITUTE OF THE STATE OF PENNSYLVANIA CO7587-00	KLEINSTEIN, BRUCE	INDEXING OF CANCER-RELATED LITERATURE	504,481
INSTITUTION TOTAL	1		504,481
UNIVERSITY OF PENNSYLVANIA CB74108-00	LEBOY, PHOEBE S	METHYLATION OF tRNA IN NORMAL NEOPLASTIC MAMMARY TISSUE	99,100
INSTITUTION TOTAL	1		99,100
CITY TOTAL	2		603,581
UNIVERSITY PARK			
PENNSYLVANIA STATE UNIVERSITY CB74171-00	DOCHERTY, JOHN J	IMMUNOLOGICAL MARKERS APPLICABLE TO CYTOLOGY AUTOMATION	105,825
INSTITUTION TOTAL	1		105,825
CITY TOTAL	1		105,825
STATE TOTAL	3		709,406
TENNESSEE			
NASHVILLE			
VANDERBILT UNIVERSITY CB74098-00	PAGE, DAVID L	RISK IN DIAGNOSIS OF NON-INVASIVE MAMMARY CARCINOMA	99,500
INSTITUTION TOTAL	1		99,500
CITY TOTAL	1		99,500
STATE TOTAL	1		99,500

NIH  
RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	DOLLARS AWARDED
TEXAS			
HOUSTON			
BAYLOR COLLEGE OF MEDICINE DE74400-00	PEAVY, DUANE L	APHTHOUS STOMATITIS AND BECET'S SYNDROME	60,196
INSTITUTION TOTAL	1		60,196
CITY TOTAL	1		60,196
SAN ANTONIO			
UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS		HEALTH SCIENCE CENTER AT SAN ANTONIO	
CB74205-00	LIVINGSTON, ROBERT B	STUDY METHODS TO PREDICT CHEMOTHERAPY SENSITIVITY	54,100
INSTITUTION TOTAL	1		54,100
CITY TOTAL	1		54,100
STATE TOTAL	2		114,296
UTAH			
SALT LAKE CITY			
UTAH STATE HIGHER EDUCATION SYSTEM--UNIVERSITY OF UTAH			
CP71039-00	LYON, JOSEPH L	EPA/NCI SPECIAL SKIN CANCER EPIDEMIOLOGY STUDY	34,060
INSTITUTION TOTAL	1		34,060
CITY TOTAL	1		34,060
STATE TOTAL	1		34,060
WEST VIRGINIA			
MORGANTOWN			
WEST VIRGINIA UNIVERSITY		LOCAL ACCESS TO BIOMEDICAL INFORMATION IN WEST VIRGINIA	
LM74710-00	MURPHY, ROBERT		14,837
INSTITUTION TOTAL	1		14,837
CITY TOTAL	1		14,837
STATE TOTAL	1		14,837
AUSTRIA			
SALZBURG			
AUSTRIAN ACADEMY OF SCIENCES--INSTITUTE FOR MOLECULAR BIOLOGY			
CB74109-00	WIRL, GERHARD	STUDIES OF INFLUENCE OF MAMMARY CARCINOMA ON COLLAGEN	41,600
INSTITUTION TOTAL	1		41,600

NIH  
RESEARCH CONTRACTSDOLLARS  
AWARDED

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK
CITY TOTAL	1	41,600
STATE TOTAL	1	41,600

JAPAN  
TOKYO  
JAPANESE FOUNDATION FOR CANCER RESEARCH  
CP71032-00  
IKAWA, YOJI

INSTITUTION TOTAL	1	48,193
CITY TOTAL	1	48,193
STATE TOTAL	1	48,193
TOTAL	49	48,755,876

48,193

NIH  
RESEARCH TRAINING GRANTSDOLLARS  
AWARDED

GRANT NUMBER	PROGRAM DIRECTOR	TITLE OF PROGRAM	DOLLARS AWARDED
CALIFORNIA SAN FRANCISCO UNIVERSITY OF CALIFORNIA AT SAN FRANCISCO GM07449-01A1	HALL, ZACH W	NEUROBIOLOGY	43,288
INSTITUTION TOTAL	1		43,288
CITY TOTAL	1		43,288
STATE TOTAL	1		43,288
COLORADO			
DENVER UNIVERSITY OF COLORADO MEDICAL CENTER GM07342-01	SAUERBIER, WALTER	HUMAN GENETICS	30,044
INSTITUTION TOTAL	1		30,044
CITY TOTAL	1		30,044
FORT COLLINS COLORADO STATE UNIVERSITY			
HD07031-01A1	NISWENDER, GORDON D	MAMMALIAN REPRODUCTIVE BIOLOGY	58,063
INSTITUTION TOTAL	1		58,063
CITY TOTAL	1		58,063
STATE TOTAL	2		88,107
MASSACHUSETTS WALTHAM BRANDEIS UNIVERSITY			
AM07251-01	JENCKS, WILLIAM P	BASIC BIOMEDICAL RESEARCH AWARD	39,057
INSTITUTION TOTAL	1		39,057
CITY TOTAL	1		39,057
STATE TOTAL	1		39,057
MINNESOTA MINNEAPOLIS UNIVERSITY OF MINNESOTA			
AM07203-01	OPPENHEIMER, JACK H	DIABETES, ENDOCRINOLOGY, AND METABOLISM	60,916
INSTITUTION TOTAL	1		60,916

NIH  
RESEARCH TRAINING GRANTSDOLLARS  
AWARDED

GRANT NUMBER	PROGRAM DIRECTOR	TITLE OF PROGRAM
CITY TOTAL	1	60,916
STATE TOTAL	1	60,916

WASHINGTON SEATTLE UNIVERSITY OF WASHINGTON GM07348-01	HUITRIC, ALAIN C	PHARMACOKINETICS AND BIOTRANSFORMATION
INSTITUTION TOTAL	1	23,003
CITY TOTAL	1	23,003
STATE TOTAL	1	23,003
TOTAL	6	254,371

23,003

NIH  
RESEARCH FELLOWSHIP AWARDS

APPLICATION NUMBER	FELLOW	FIELD OF INTEREST	PROGRAM
CALIFORNIA BERKELEY UNIVERSITY OF CALIFORNIA AT BERKELEY GM06222-01	RICKOLL, WAYNE L	GENETICS	F32
INSTITUTION TOTAL CITY TOTAL	1 1		
DAVIS UNIVERSITY OF CALIFORNIA AT DAVIS HD0522-01 GM06298-01	CULBERTSON, MARION R, JR THORGARD, GRAY H	DEVELOPMENTAL BIOLOGY GENETICS	F32 F32
INSTITUTION TOTAL CITY TOTAL	2 2		
LA JOLLA SCRIPPS CLINIC AND RESEARCH FOUNDATION CA05992-01	NORMAN, RICHARD L	CANCER PREVENTION AND CONTROL	F32
INSTITUTION TOTAL	1		
UNIVERSITY OF CALIFORNIA AT SAN DIEGO GM06314-01 AM05404-01	FUHRMAN, SHELLA A RITCHIE, DAVID G	MOLECULAR BIOLOGY METABOLIC DISEASES	F32 F32
INSTITUTION TOTAL CITY TOTAL	2 3		
LOS ANGELES UNIVERSITY OF SOUTHERN CALIFORNIA AM05754-01	GOLDSTEIN, DAVID A	RENAL DISEASES	F32
INSTITUTION TOTAL CITY TOTAL	1 1		
SAN FRANCISCO UNIVERSITY OF CALIFORNIA AT SAN FRANCISCO BY05232-01 EY05224-01	HANSEN, BERTLE D, III HWANG, SAN-BAO	PHYSICAL BIOCHEMISTRY BIOPHYSICS	F32 F32
INSTITUTION TOTAL CITY TOTAL	2 2		

NIH  
RESEARCH FELLOWSHIP AWARDS

APPLICATION NUMBER	FELLOW	FIELD OF INTEREST	PROGRAM
CALIFORNIA SANTA BARBARA UNIVERSITY OF CALIFORNIA AT SANTA BARBARA GM06237-01	NOVAK, MICHAEL	PHYSICAL CHEMISTRY	F32
INSTITUTION TOTAL CITY TOTAL	1 1		
STATE TOTAL	10		
COLORADO BOULDER UNIVERSITY OF COLORADO AT BOULDER GM06365-01	SINGER, BRITTA S	GENETICS	F32
INSTITUTION TOTAL CITY TOTAL	1 1		
DENVER UNIVERSITY OF COLORADO MEDICAL CENTER AI05593-01	MILLER, STEPHEN D	IMMUNOLOGY	F32
INSTITUTION TOTAL CITY TOTAL	1 1		
PORT COLLINS COLORADO STATE UNIVERSITY HD05537-01	CHEN, THOMAS T	REPRODUCTIVE PHYSIOLOGY	F32
INSTITUTION TOTAL CITY TOTAL	1 1		
STATE TOTAL	3		
CONNECTICUT NEW HAVEN YALE UNIVERSITY TW00188-01 GM06197-01	KOHORN, ERNEST I TIFFORD, ANNE HOLLINS	OBSTETRICS AND GYNECOLOGY MOLECULAR BIOLOGY	F06 F32
INSTITUTION TOTAL CITY TOTAL	2 2		

NIH  
RESEARCH FELLOWSHIP AWARDS

APPLICATION NUMBER	FELLOW	FIELD OF INTEREST	PROGRAM
STATE TOTAL	2		
FLORIDA GAINESVILLE STATE UNIVERSITY SYSTEM OF FLORIDA--UNIVERSITY OF FLORIDA TWO0169-01	SILVERMAN, DAVID N	ENZYME/METABOLISM BIOCHEMISTRY	F06
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	1		
GEORGIA ATLANTA EMORY UNIVERSITY TWO0193-01	BROGAN, DONNA R	PUBLIC HEALTH STATISTICS	F06
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	1		
ILLINOIS CHICAGO UNIVERSITY OF CHICAGO GMO5876-01A1 GHO6369-01 HDO5548-01	COLLINS, MYRA L KOZIARZ, JAMES J RUSSELL, JOHN	CHEMISTRY PHYSICAL BIOCHEMISTRY ENDOCRINE PHYSIOLOGY	F32 F32 F32
INSTITUTION TOTAL	3		
CITY TOTAL	3		
EVANSTON NORTHWESTERN UNIVERSITY HDO5561-01	MOORE, RUTH T	REPRODUCTIVE PHYSIOLOGY	F32
INSTITUTION TOTAL	1		
CITY TOTAL	1		
URBANA UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN AGO5083-01	MC KEON, THOMAS A	BIOCHEMISTRY	F32

NIH  
RESEARCH FELLOWSHIP AWARDS

## PROGRAM

## FIELD OF INTEREST

APPLICATION NUMBER	FELLOW	FIELD OF INTEREST
ILLINOIS		
URBANA		
UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN		
AI05581-01	WOSBERG, HENRY T	MICROBIAL PHYSIOLOGY

INSTITUTION TOTAL	CITY TOTAL	STATE TOTAL
2	2	6

INSTITUTION TOTAL	CITY TOTAL	STATE TOTAL
1	1	1

INSTITUTION TOTAL	CITY TOTAL	STATE TOTAL
-------------------	------------	-------------

INSTITUTION TOTAL	CITY TOTAL	STATE TOTAL
-------------------	------------	-------------

KENTUCKY	LEXINGTON	UNIVERSITY OF KENTUCKY	AI05627-01	LASSWELL, WILLIAM L, JR	CHEMISTRY
INSTITUTION TOTAL	1	CITY TOTAL	1	STATE TOTAL	1

MARYLAND	BALTIMORE	JOHNS HOPKINS UNIVERSITY	GM06318-01	STRAUSSBAUGH, LINDA D	DEVELOPMENTAL GENETICS
INSTITUTION TOTAL	1	CITY TOTAL	1	STATE TOTAL	1

BETHESDA	U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE--NATIONAL INSTITUTES OF HEALTH	TW00192-01	ERANKO, OLAVI	GROSS/PHYSICAL ANTHROPOLOGY
----------	--	------------	---------------	-----------------------------

NIH  
RESEARCH FELLOWSHIP AWARDS

APPLICATION NUMBER	FELLOW	FIELD OF INTEREST	PROGRAM
MARYLAND			
BETHESDA			
U. S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE--NATIONAL INSTITUTES OF HEALTH			
TWO0188-01	RENAUD, ALBERT E	DIABETES	F15
TWO0187-01	ROCHA E SILVA, MAURICIO	CARDIOVASCULAR/PULMONARY PHYSIOLOGY	F15
TWO0185-01	SCHACHMAN, HOWARD K	PHYSICAL BIOCHEMISTRY	F15
TWO0184-01	SCHRAMM, MICHAEL Y	PHYSIOLOGICAL/CLINICAL BIOCHEMISTRY	F15
INSTITUTION TOTAL	5		
CITY TOTAL	5		
STATE TOTAL	6		
MASSACHUSETTS			
BOSTON			
HARVARD UNIVERSITY	DIX, JAMES A	PHYSICAL BIOCHEMISTRY	F32
GM06265-01			
INSTITUTION TOTAL	1		
VETERANS ADMINISTRATION OUTPATIENT CLINIC			
AG05098-01	HINES, TERENCE M	PSYCHOLOGY OF GERONTOLOGY AND GERIATRICS	F32
INSTITUTION TOTAL	1		
CITY TOTAL	2		
CAMBRIDGE			
HARVARD UNIVERSITY	ENGELHARD, VICTOR H	IMMUNOCHEMISTRY	F32
AI05604-01			
INSTITUTION TOTAL	1		
CITY TOTAL	1		
SHREWSBURY			
WORCESTER FOUNDATION FOR EXPERIMENTAL BIOLOGY			
HD05546-01	MADDOCK, MICHAEL B	GROWTH AND DEVELOPMENT	F32
INSTITUTION TOTAL	1		
CITY TOTAL	1		
WALTHAM			
BRANDEIS UNIVERSITY			
AI05530-01	BROWN, ALAN R	IMMUNOCHEMISTRY	F32

NIH  
RESEARCH FELLOWSHIP AWARDS

## PROGRAM

## FIELD OF INTEREST

## APPLICATION NUMBER

## FELLOW

INSTITUTION TOTAL 1  
CITY TOTAL 1

## MASSACHUSETTS

WORCESTER  
UNIVERSITY OF MASSACHUSETTS MEDICAL SCHOOL AT WORCESTER  
CA06222-01 WARD, THOMAS E  
MOLECULAR BIOLOGY

INSTITUTION TOTAL 1  
CITY TOTAL 1

STATE TOTAL 6

## MICHIGAN

ANN ARBOR  
UNIVERSITY OF MICHIGAN  
HD05558-01 CAMPBELL, KENNETH L  
AI05625-01 KENNY, JAMES J  
HD05543-01 SHARP, MARCIA J

INSTITUTION TOTAL 3  
CITY TOTAL 3

STATE TOTAL 3

## MINNESOTA

SAIN'T PAUL  
UNIVERSITY OF MINNESOTA  
ES05091-01 CHEH, ALBERT M  
GHO6337-01 CHOW, PETER P

INSTITUTION TOTAL 2  
CITY TOTAL 2

STATE TOTAL 2

## NEW YORK

ITHACA  
CORNELL UNIVERSITY  
GHO6164-01 ANDERSON, JANET

## MOLECULAR BIOLOGY

F32

F32  
F32  
F32F32  
F32  
F32

F32

NIH  
RESEARCH FELLOWSHIP AWARDS

APPLICATION NUMBER	FELLOW	FIELD OF INTEREST	PROGRAM
NEW YORK ITHACA CORNELL UNIVERSITY A105585-01	CZARNY, MICHAEL R	ORGANIC SYNTHESIS	F32
INSTITUTION TOTAL	2		
CITY TOTAL	2		
NEW YORK CORNELL UNIVERSITY MEDICAL CENTER AG05099-01 A105538-01 AG05093-01	BROWN, WILLIAM T KNOWLES, ROBERT W MOODY, CHARLES E, JR	MOLECULAR BIOLOGY IMMUNOCHEMISTRY IMMUNOLOGY	F32 F32 F32
INSTITUTION TOTAL	3		
NEW YORK MEDICAL COLLEGE TW00173-01A1	HERMAN, LAWRENCE	BIOCHEMISTRY	F06
INSTITUTION TOTAL	1		
ROCKEFELLER UNIVERSITY GM05836-01 AM05489-01	FORD, JOHN P GARNER, WILLIAM H	BIOCHEMISTRY BIOCHEMISTRY	F32 F32
INSTITUTION TOTAL	2		
CITY TOTAL	6		
STATE TOTAL	8		
NORTH CAROLINA CHAPEL HILL UNIVERSITY OF NORTH CAROLINA SYSTEM--UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL HD05541-01	NIJHOUT, MARY M	REPRODUCTIVE PHYSIOLOGY	F32
INSTITUTION TOTAL	1		
CITY TOTAL	1		
DURHAM DUKE UNIVERSITY GM05822-01	GRANT, DAVID M	BIOCHEMICAL AND MOLECULAR GENETICS	F32
INSTITUTION TOTAL	1		
CITY TOTAL	1		

NIH  
RESEARCH FELLOWSHIP AWARDS

APPLICATION NUMBER	FELLOW	FIELD OF INTEREST	PROGRAM
STATE TOTAL	2		
PENNSYLVANIA			
HERSHEY			
PENNSYLVANIA STATE UNIVERSITY	MILTON S. HERSEY MEDICAL CENTER		
TW00150-01	SANTEN, RICHARD J.	ENDOCRINOLOGY	F06
INSTITUTION TOTAL	1		
CITY TOTAL	1		
PHILADELPHIA			
UNIVERSITY OF PENNSYLVANIA			
HD05521-01	OTTO, JOANN J.	CELL DIVISION	F32
T600184-01	SLOVITER, HENRY A.	BIOCHEMISTRY	F06
INSTITUTION TOTAL	2		
CITY TOTAL	2		
STATE TOTAL	3		
WASHINGTON			
SEATTLE			
UNIVERSITY OF WASHINGTON			
TW00181-01	CALVIN, WILLIAM H.	NEURO/MUSCULAR PHYSIOLOGY	F06
GM05627-01A1	ROSELAND, CRAIG R.	MOLECULAR BIOLOGY	F32
INSTITUTION TOTAL	2		
CITY TOTAL	2		
STATE TOTAL	2		
WISCONSIN			
MADISON			
UNIVERSITY OF WISCONSIN SYSTEM--UNIVERSITY OF WISCONSIN-MADISON			
AI0535-01	WHITE, THOMAS J.	INFECTIOUS DISEASES	F32
HD05533-01	WHITINGTON, PETER F.	PEDIATRICS	F32
INSTITUTION TOTAL	2		
CITY TOTAL	2		
STATE TOTAL	2		

APPLICATION NUMBER	FELLOW	FIELD OF INTEREST
UNITED KINGDOM LONDON MEDICAL RESEARCH COUNCIL GM05796-01	BENNETT, WILLIAM F	NUCLEIC ACID BIOCHEMISTRY
INSTITUTION TOTAL		1
CITY TOTAL		1
STATE TOTAL		1
TOTAL		60

PROGRAM  
F32

NTH  
RESEARCH CAREER PROGRAM AWARDS

GRANT NUMBER	AWARDEE	PRINCIPAL AREA OF RESEARCH	PROGRAM
CALIFORNIA			
DAVIS			
UNIVERSITY OF CALIFORNIA AT DAVIS			
AI00193-01	GERSHWIN, M ERIC		K04
HL00282-01	WIKMAN-COFFELT, JOAN		K04
INSTITUTION TOTAL	2		
CITY TOTAL	2		
LA JOLLA			
SCRIPPS CLINIC AND RESEARCH FOUNDATION			
AI00248-01	ZINKERNAGEL, ROLF M		
INSTITUTION TOTAL	1		
CITY TOTAL	1		
LOS ANGELES			
UNIVERSITY OF CALIFORNIA AT LOS ANGELES			
NS00294-01	JENKINS, HERMAN A		
INSTITUTION TOTAL	1		
CITY TOTAL	1		
PASADENA			
CALIFORNIA INSTITUTE OF TECHNOLOGY			
NS00272-01	LESTER, HENRY A		
INSTITUTION TOTAL	1		
CITY TOTAL	1		
SAN FRANCISCO			
UNIVERSITY OF CALIFORNIA AT SAN FRANCISCO			
HL00360-01	LIPTON, MARTIN J		K04
GM00322-01	ROSEN, STEVEN D		K04
AM00323-01	SCHARSCHMIDT, BRUCE F		K04
INSTITUTION TOTAL	3		
CITY TOTAL	3		
STATE TOTAL	8		

NIH  
RESEARCH CAREER PROGRAM AWARDS

GRANT NUMBER	AWARDEE	PRINCIPAL AREA OF RESEARCH	PROGRAM
COLORADO BOULDER UNIVERSITY OF COLORADO AT BOULDER G800372-01	HALICK, RICHARD B	GENE EXPRESSION IN ORGANELLES DURING CELL DEVELOPMENT	K04
INSTITUTION TOTAL CITY TOTAL	1 1		
DENVER UNIVERSITY OF COLORADO MEDICAL CENTER HD00214-01	GAENSBAUER, THEODORE J	REGULATION OF AFFECT EXPRESSION IN INFANCY	K04
INSTITUTION TOTAL CITY TOTAL STATE TOTAL	1 1 2		
FLORIDA GAINESVILLE STATE UNIVERSITY SYSTEM OF FLORIDA--UNIVERSITY OF FLORIDA AM00303-01	DUNN, BEN M	CONTROL OF PEPSIN BY ACTIVATION PEPTIDE ANALOGS	K04
INSTITUTION TOTAL CITY TOTAL STATE TOTAL	1 1 1		
IOWA IOWA CITY UNIVERSITY OF IOWA HD00155-01	ERENBERG, ALLEN P	THYROID HORMONES AND THE FETAL AND NEONATAL LUNG	K04
INSTITUTION TOTAL CITY TOTAL STATE TOTAL	1 1 1		
MASSACHUSETTS BOSTON BOSTON UNIVERSITY AG00016-01	FELDMAN, MARTIN L	NEURONAL AGING IN THE AUDITORY AND VISUAL SYSTEMS	K04
INSTITUTION TOTAL	1		

RESEARCH CAREER PROGRAM AWARDS  
NIH

GRANT NUMBER	AWARDEE	PRINCIPAL AREA OF RESEARCH	PROGRAM
MASSACHUSETTS			
BOSTON CHILDREN'S HOSPITAL MEDICAL CENTER	FOX, THOMAS O	STEROID RECEPTOR MECHANISMS IN DEVELOPING MOUSE BRAIN	K04
HD00221-01			
INSTITUTION TOTAL	1		
HARVARD UNIVERSITY	MARTZ, ERIC	T LYMPHOCYTE DIFFERENTIATION AND EFFECTOR FUNCTION	K04
A100233-01			
INSTITUTION TOTAL	1		
CITY TOTAL	3		
CAMBRIDGE			
HARVARD UNIVERSITY	KESSIN, RICHARD H	CONTROL OF AGGREGATION IN D. DISCOIDEUM	K04
HD00220-01			
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	4		
NEW JERSEY			
NEW BRUNSWICK	PIECZENIK, GEORGE	GENOTYPIC SELECTION: SYNTAX AND STRUCTURE	K04
RUTGERS THE STATE UNIVERSITY NEW BRUNSWICK			
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	1		
NEW YORK			
NEW YORK			
CITY UNIVERSITY OF NEW YORK--MOUNT SINAI SCHOOL OF MEDICINE			
A100249-01			
INSTITUTION TOTAL	1		
COLUMBIA UNIVERSITY	SMITH-WRIGHT, MOYRA	CONTROL OF IMMUNOGLOBULIN SYNTHESIS IN CELL HYBRIDS	K04
INSTITUTION TOTAL	1		
COLUMBIA UNIVERSITY	KHANNA, SHYAM M	PERIPHERAL AUDITORY FUNCTION	K04
INSTITUTION TOTAL	1		

NIH  
RESEARCH CAREER PROGRAM AWARDS

GRANT NUMBER	AWARDEE	PRINCIPAL AREA OF RESEARCH	PROGRAM
NEW YORK			
NEW YORK			
ROCKEFELLER UNIVERSITY HDO0189-01	BEERS, WILLIAM H	THE ROLE OF PLASMINOGEN ACTIVATOR IN OVULATION	K04
INSTITUTION TOTAL CITY TOTAL	1 3		
STATE TOTAL	3		
PENNSYLVANIA			
PHILADELPHIA			
UNIVERSITY OF PENNSYLVANIA HL00436-01 GM00318-01	GIL, JOAN OWEN, CHARLES S	PINOCYTOTIC VESICLES AND PULMONARY EDEMA BIOPHYSICAL PROBES OF IMMUNE RESPONSE & HEMEPROTEINS	K04 K04
INSTITUTION TOTAL CITY TOTAL	2 2		
STATE TOTAL	2		
TENNESSEE			
NASHVILLE			
VANDERBILT UNIVERSITY EY00061-01	CASAGRANDE, VIVIEN A	EFFECTS OF VISUAL DEPRIVATION IN PRIMATES	K07
INSTITUTION TOTAL CITY TOTAL	1 1		
STATE TOTAL	1		
TEXAS			
DALLAS			
UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT DALLAS AM00331-01	MC KELLY, JEFFERY F	CONTROL OF HYPOTHALAMIC FELEASTING FACTOR METABOLISM	K04
INSTITUTION TOTAL CITY TOTAL	1 1		
HOUSTON			
BAYLOR COLLEGE OF MEDICINE EY00123-01	LAM, DOMINIC M K	SYNAPTIC CHEMISTRY IN THE VISUAL SYSTEM	K04
INSTITUTION TOTAL	1		

NIH  
RESEARCH CAREER PROGRAM AWARDS

## PROGRAM

## PRINCIPAL AREA OF RESEARCH

## GRANT NUMBER

## AWARDEE

CITY TOTAL

1

STATE TOTAL

2

## VIRGINIA

## RICHMOND

## VIRGINIA COMMONWEALTH UNIVERSITY

## A#00336-01

## LITTMAN, BRUCE H

INSTITUTION TOTAL

1

CITY TOTAL

1

STATE TOTAL

1

## WISCONSIN

## MADISON

## UNIVERSITY OF WISCONSIN SYSTEM--UNIVERSITY OF WISCONSIN-MADISON

## H100438-01

## OLSON, E B, JR

K04

INSTITUTION TOTAL

1

CITY TOTAL

1

STATE TOTAL

1

TOTAL

27

REGULATION OF CELLULAR COOPERATION BY SOLUBLE FACTORS  
METABOLISM IN PERFUSED FETAL & NEWBORN RABBIT LUNGS

NIH  
MEDICAL LIBRARY GRANTSDOLLARS  
AWARDED

## TITLE OF RESEARCH PROPOSAL

GRANT NUMBER	PRINCIPAL INVESTIGATOR	
GEORGIA MACON MERCER UNIVERSITY LM03090-01	RANKIN, JOCELYN A	MEDICAL LIBRARY RESOURCE IMPROVEMENT SUPPORT 21,000
	INSTITUTION TOTAL	21,000
	CITY TOTAL	21,000
	STATE TOTAL	21,000

GRANT NUMBER	PRINCIPAL INVESTIGATOR	
MAINE LEWISTON ST. MARY'S GENERAL HOSPITAL LM02917-01	ROUX, SISTER AURORE	HEALTH SCIENCE LIBRARY PROJECT 9,945
	INSTITUTION TOTAL	9,945
	CITY TOTAL	9,945
	STATE TOTAL	9,945
	TOTAL	30,945

## GRANTS AND AWARDS ANNOUNCED DURING SEPTEMBER 1977

ID	RESEARCH GRANTS*	RESEARCH CAREER PROGRAM AWARDS	R & D CONTRACTS	TRAINING GRANTS	FELLOWSHIP AWARDS	CONSTRUCTION GRANTS	MEDICAL LIBRARY GRANTS	OTHER AWARDS
WHER	AMOUNT NUMBER	AMOUNT NUMBER	AMOUNT NUMBER	AMOUNT NUMBER	AMOUNT NUMBER	AMOUNT NUMBER	AMOUNT NUMBER	AMOUNT NUMBER
AG	9 334,178			1	1	1	1	1
AT	14 722,108	4	138,314	2	321,855		13	150,500
AM	102 10,298,829	10	353,226	8	456,081		4	48,200
CA	33 3,309,298			4	423,655	2	22,200	1 1,411,000
CB				32	2,514,943			
CM				3	2,201,709			
CN				1	144,524			
CP				22	2,315,086			
DE	1 213,380			3	196,136			
ES	9 330,694	1	28,770					
EY	5 340,862			1	32,548	2	21,600	
GM	14 511,286				12	985,752	22	237,500
HB				1	14,700			
HD	20 1,727,316	1	38,634	18	2,104,516		1	10,000
HI				1	86,176			
HL	20 1,265,067	1	31,250		1	50,854	1	12,200
HR				6	612,490			
HV				38	4,225,854			
LM				8	450,909			
NS	21 1,045,946	1	37,584	8	895,878		4	41,600
RR	1 172,705			1	299,981			
TW	249 20,271,669	18	627,778	152	16,840,838	19	1,552,578	2 31,451
							51	575,251 1 1,411,000

\*INCLUDES DIRECT COST ONLY FOR NIH RESEARCH GRANTS

NIH  
RESEARCH GRANTS \*

## TITLE OF RESEARCH PROPOSAL

GRANT NUMBER	PRINCIPAL INVESTIGATOR	DOLLARS AWARDED
<b>ALABAMA</b>		
BIRMINGHAM	UNIVERSITY OF ALABAMA IN BIRMINGHAM BENNETT, J CLAUDE AM20614-01 CLEMENTS, REX S. JR AM21065-01 CONRAD, MARCEL E ES01306-01A1	MULTIPURPOSE ARTHRITIS CENTER PHOSPHATIDYLINOSITOL METABOLISM AND INSULIN SECRETION LEAD ABSORPTION, EXCRETION, AND METABOLISM 158,617 41,846 43,094
INSTITUTION TOTAL	3	243,557
CITY TOTAL	3	243,557
STATE TOTAL	3	243,557
 <b>ARIZONA</b>		
TUCSON	UNIVERSITY OF ARIZONA BOONE, MAX L CA19477-01A1 BOYER, JOHN T AM20597-01 HRUBY, VICTOR J AM21085-01 MORKIN, EUGENE HL20984-01	ANALOG TISSUE DENSITOMETER FOR CANCER RADIOTHERAPY SOUTHWEST ARTHRITIS CENTER GLUCAGON STRUCTURE-FUNCTION STUDIES CELLULAR MECHANISMS IN CARDIAC HYPERTROPHY 61,726 118,000 31,181 348,275
INSTITUTION TOTAL	4	559,182
CITY TOTAL	4	559,182
STATE TOTAL	4	559,182
 <b>CALIFORNIA</b>		
BERKELEY	UNIVERSITY OF CALIFORNIA AT BERKELEY KING, JANET C HD11272-01	ZINC REQUIREMENTS OF PREGNANT WOMEN 58,261
INSTITUTION TOTAL	1	58,261
CITY TOTAL	1	58,261
 <b>DAVIS</b>		
UNIVERSITY OF CALIFORNIA AT DAVIS MACY, JOHN M AM20872-01 WALSH, DONAL A AM21019-01	INFLUENCE OF DIETARY FIBER ON RAT INTESTINAL BACTERIA A PROTEIN INHIBITOR OF PROTEIN KINASES 51,776 49,373	
INSTITUTION TOTAL	2	101,149
CITY TOTAL	2	101,149

NIH  
RESEARCH GRANTS \*

## GRANT NUMBER PRINCIPAL INVESTIGATOR

DOLLARS  
AWARDED

CALIFORNIA	DUARTE	CITY OF HOPE MEDICAL CENTER	CA22108-01	RUOSLAHTI, ERKKI I	FIBROBLAST SURFACE ANTIGEN	42,062
INSTITUTION TOTAL	1					42,062
CITY TOTAL	1					42,062

LA JOLLA	SALK INSTITUTE FOR BIOLOGICAL STUDIES	AM20917-01	VALE, WYLIE W	SOMATOSTATIN: PHYSIOLOGY AND APPLICATION TO DIABETES	115,200
INSTITUTION TOTAL	1				115,200

SCRIPPS CLINIC AND RESEARCH FOUNDATION	AM21290-01	LEWIS, URBAN J	MEMBRANE & METABOLIC STUDIES OF DIABETOGENIC FACTORS	78,963
INSTITUTION TOTAL	1			78,963

UNIVERSITY OF CALIFORNIA AT SAN DIEGO	NS13898-01	BOND, CLIFFORD W	MOLECULAR CHARACTERIZATION OF A NEUROTROPIC CORONAVIRUS	37,590
	HD10622-01A1	GLUCK, LOUIS L	SURFACTANT: BIOCHEMICAL DEVELOPMENT AND STABILIZATION	122,761
	AM20745-01	ORLOFF, MARSHALL J	STUDIES OF PANCREAS TRANSPLANTATION IN DIABETES	124,608
	CA22227-01	SELL, STEWART	ONCO-DEVELOPMENTAL GENE CONTROL: ALPHA-FETOPROTEIN	53,608
INSTITUTION TOTAL	4			338,255
CITY TOTAL	6			532,418

LOS ANGELES	CEDARS-SINAI MEDICAL CENTER	NS13442-01	BARKLEY, DAVID S	IMMUNE RESPONSES IN HUNTINGTON'S DISEASE	59,000
INSTITUTION TOTAL	1				59,000

  

UNIVERSITY OF CALIFORNIA AT LOS ANGELES	AM20827-01	MULLEN, YOKO S	IMMUNE ASPECTS IN FETAL PANCREAS ALLOGRAFTS	32,725
	GM23915-01	TOOHEY, JOHN I	SULFHYDRYL AND ALKYLTHIO COMPOUNDS IN CELL DIVISION	35,028
	AG00990-01	TYAN, MARVIN L	AGE-RELATED CHANGES IN PRECURSORS OF T- AND B-CELLS	45,999
INSTITUTION TOTAL	3			113,752

UNIVERSITY OF SOUTHERN CALIFORNIA	HL21032-01	CRAWFORD, DONALD W	INJURY, WALL THICKNESS, AND ARTERIAL WALL OXYGENATION	43,223
-----------------------------------	------------	--------------------	---	--------

## GRANT NUMBER

## PRINCIPAL INVESTIGATOR

DOLLARS  
AWARDED

## CALIFORNIA

## LOS ANGELES

## UNIVERSITY OF SOUTHERN CALIFORNIA

HL20979-01 RADER, ROLAND D  
CA21494-01 SHIH, JEAN C  
EY02043-01 SMITH, RONALD E  
AG00631-01 VAN ARSDOL, MAURICE D., JR  
THE OLDER POPULATION OF THE UNITED STATES

INSTITUTION TOTAL 5  
CITY TOTAL 9  
315,402

PALO ALTO  
NORTHERN CALIFORNIA CANCER PROGRAM, INC.  
CA21744-01 CARTER, STEPHEN K

INSTITUTION TOTAL 1  
CITY TOTAL 1  
400,009  
400,009

SAN DIEGO  
CALIFORNIA STATE UNIVERSITY AND COLLEGES SYSTEM--SAN DIEGO STATE UNIVERSITY  
CA21254-01 SPINETTA, JOHN J  
ADJUSTMENT AND ADAPTATION IN CHILDREN WITH CANCER

INSTITUTION TOTAL 1  
CITY TOTAL 1  
151,645  
151,645

SAN FRANCISCO  
UNIVERSITY OF CALIFORNIA AT SAN FRANCISCO  
HD11109-01 CHARLTON, VALERIE E  
AG00991-01 DAUPHINE, MICHAEL J  
AN20684-01 ENGLEMAN, EPHRAIM P  
CA21439-01 PHILLIPS, THEODORE L  
AM21344-01 BUTTER, WILLIAM J  
AG00357-01A1 SCHMUCKER, DOUGLAS L  
AM21301-01 SPENCER, E MARTIN

INSTITUTION TOTAL 7  
CITY TOTAL 7  
533,342  
533,342

SANTA BARBARA  
UNIVERSITY OF CALIFORNIA AT SANTA BARBARA  
EY02052-01 JACOBS, GERALD H  
WITHIN-SPECIES VARIATIONS IN VISUAL CAPACITY

39,922

NIH  
RESEARCH GRANTS \*

## GRANT NUMBER PRINCIPAL INVESTIGATOR

DOLLARS  
AWARDED

CALIFORNIA  
SANTA BARBARA  
UNIVERSITY OF CALIFORNIA AT SANTA BARBARA  
CA21144-01 LITTLE, R DANIEL  
1, 3-DIVL TRAPPING REACTIONS IN ORGANIC SYNTHESIS  
24, 549

INSTITUTION TOTAL 2  
CITY TOTAL 2  
64, 471  
64, 471

SANTA CRUZ  
UNIVERSITY OF CALIFORNIA AT SANTA CRUZ  
AM21104-01 DICE, JAMES F. JR  
PROTEIN DEGRADATION IN DIABETES AND STARVATION  
1, 3-DIVL TRAPPING REACTIONS IN ORGANIC SYNTHESIS  
95, 716

INSTITUTION TOTAL 1  
CITY TOTAL 1  
95, 716  
95, 716

STANFORD  
STANFORD UNIVERSITY  
RR01086-01 ANGELL, JAMES B  
AM20610-01 HOLMAN, HALSTED R  
AM20993-01 OLEFSKY, JERROLD M  
RESOURCE FOR SILICON BIOMEDICAL TRANSDUCERS  
MULTIPURPOSE ARTHRITIS CENTER  
PLASMA INSULIN LEVELS AND ADIPOCYTE METABOLISM  
172, 705  
118, 770  
33, 153

INSTITUTION TOTAL 3  
CITY TOTAL 3  
324, 628  
324, 628

STATE TOTAL 34  
2,619, 103

COLORADO  
DENVER  
UNIVERSITY OF COLORADO MEDICAL CENTER  
AM21215-01 MARTINEZ-HERNANDEZ, ANTONIO  
THE BASEMENT MEMBRANE IN DIABETES  
INSTITUTION TOTAL 1  
CITY TOTAL 1  
STATE TOTAL 1  
20,000  
20,000  
20,000

CONNECTICUT  
PARKINGTON  
UNIVERSITY OF CONNECTICUT HEALTH CENTER  
AM21309-01 ROWE, DAVID W  
BIOCHEMICAL CHARACTERIZATION OF DIABETIC FIBROBLASTS  
INSTITUTION TOTAL 1  
CITY TOTAL 1  
57, 120  
57, 120

\* INCLUDES DIRECT COST ONLY FOR NIH AWARDS

NIH  
RESEARCH GRANTS \*

## TITLE OF RESEARCH PROPOSAL

GRANT NUMBER	PRINCIPAL INVESTIGATOR	DOLLARS AWARDED
CONNECTICUT		
NEW HAVEN		
YALE UNIVERSITY		
GM23669-01	HUBBARD, ANN L	45,761
AM20570-01	RASMUSSEN, HOWARD	208,638
AM21158-01	SOMAN, VITJAY R	34,270
AM20358-01	STEERE, ALLEN C	187,204
INSTITUTION TOTAL	4	
CITY TOTAL	4	
	475,873	
	475,873	
STORRS		
UNIVERSITY OF CONNECTICUT		
HD11158-01	ZEAMAN, BETTY H	READING-LIKE BEHAVIOR IN NONREADING RETARDED ADULTS
INSTITUTION TOTAL	1	28,582
CITY TOTAL	1	28,582
STATE TOTAL	6	561,575
DIST OF COL		
WASHINGTON CHILDREN'S HOSPITAL NATIONAL MEDICAL CENTER		
HD11652-01	GALIOTO, FRANK M., JR	INFANT LUNG AND HEART STUDY BY THE REBREATHING METHOD
INSTITUTION TOTAL	1	27,414
HOWARD UNIVERSITY		
AM21050-01	ARCHER, JUANITA A	HUMAN FETAL ISLETS: PRESERVATION AND INSULIN RECEPTOR
INSTITUTION TOTAL	1	47,810
CITY TOTAL	2	75,224
STATE TOTAL	2	75,224
FLORIDA		
GAINESVILLE		
STATE UNIVERSITY SYSTEM OF FLORIDA--UNIVERSITY OF FLORIDA		
AM20586-01	FINLAYSON, BIRDWELL	UROLITHIASIS CENTER
INSTITUTION TOTAL	1	219,189
CITY TOTAL	1	219,189

\* INCLUDES DIRECT COST ONLY FOR NIH AWARDS

NIH  
RESEARCH GRANTS \*

## GRANT NUMBER      PRINCIPAL INVESTIGATOR

DOLLARS  
AWARDED

## FLORIDA

MIAMI

UNIVERSITY OF MIAMI

AB20735-01      PENNELL, J. PHILLIP  
AM21213-01      SCOTT, WALTER AEFFECT OF ISLET IMPLANTS ON DIABETIC NEPHROPATHY  
PANCREATIC ISLET CELL TRANSFORMATION BY SV40 MUTANTSINSTITUTION TOTAL      2  
CITY TOTAL      2  
STATE TOTAL      3  
  
100,569  
100,569  
319,75860,000  
40,569

## GEORGIA

AT BENS

UNIVERSITY SYSTEM OF GEORGIA-UNIVERSITY OF GEORGIA  
AG00127-01      KOCHERT, GARY D

PROGRAMMED DEVELOPMENT AND SENESCENCE IN VOLVOX

INSTITUTION TOTAL      1  
CITY TOTAL      1  
  
34,142  
34,142

34,142

ATLANTA  
UNIVERSITY SYSTEM OF GEORGIA-GEORGIA STATE UNIVERSITY  
HD11209-01      BROWN, JOSEPHINE V  
STATE UNIVERSITY PREMATURITY, EARLY INTERACTION, AND SOCIAL COMPETENCE

78,841

INSTITUTION TOTAL      1  
CITY TOTAL      1  
STATE TOTAL      2  
  
78,841  
78,841  
112,983

## ILLINOIS

CHICAGO

DEPAUL UNIVERSITY

CA19758-01      YI, PON N

TUMOR HYPERHERMIA: MEMBRANE POTENTIAL AND FLUIDITY

21,704

INSTITUTION TOTAL      1

21,704

IIT RESEARCH INSTITUTE

AB21030-01      KROTSZYNSKI, BOGUSLAW K

DEVELOPMENT OF BIOCHEMICAL MARKERS FOR DIABETES MELLITUS

75,065

INSTITUTION TOTAL      1

75,065

ILLINOIS CANCER COUNCIL

CA21898-01      STEINER, JAN W

CANCER CENTER PATIENT DATA SYSTEM PROPOSAL

101,945

\* INCLUDES DIRECT COST ONLY FOR NIH AWARDS



NIH  
RESEARCH GRANTS \*DOLLARS  
AWARDED

## GRANT NUMBER      PRINCIPAL INVESTIGATOR      TITLE OF RESEARCH PROPOSAL

CITY TOTAL      1      20,632

## INDIANAPOLIS

INDIANA UNIVERSITY-PURDUE UNIVERSITY AT INDIANAPOLIS  
 AM20582-01 BRANDT, KENNETH D. MULTIPURPOSE ARTHRITIS CENTER  
 AM20542-01 CLARK, CHARLES H., JR. DIABETES RESEARCH AND TRAINING CENTER  
 AM21178-01 HARRIS, ROBERT A. HORMONAL CONTROL OF HEPATIC GLUCOSE AND FAT SYNTHESIS  
 AM21289-01 QUEENER, SHERRY I. MEMBRANE ENZYME FUNCTION IN DIABETIC KIDNEY  
 AM21102-01 ROBERTSON, GARY L. THIRST AND VASOPRESSIN SECRETION IN DIABETES MELLITUS

INSTITUTION TOTAL

CITY TOTAL

STATE TOTAL

5

5

6

714,814

714,814

735,446

## LOUISV

## IOWA CITY

## UNIVERSITY OF IOWA

HD11184-01 FELLOWS, ROBERT E.  
 AM21084-01 GINSBERG, BARRY H.

INSTITUTION TOTAL

CITY TOTAL

STATE TOTAL

2

2

2

91,927

91,927

91,927

## KENTUCKY

LEXINGTON  
 BPHRAIN MC DOWELL COMMUNITY CANCER NETWORK  
 CA19467-01A1 GOLDENBERG, DAVID M

INSTITUTION TOTAL

CITY TOTAL

1

1

88,000

88,000

## LOUISVILLE

## UNIVERSITY OF LOUISVILLE

AM21120-01 SWARTZ, FRANK J

INSTITUTION TOTAL

CITY TOTAL

1

1

17,000

17,000

STATE TOTAL

2

105,000

REGULATION OF BRAIN DEVELOPMENT  
 RADIOIMMUNOASSAY OF THE SOMATOMEDINS IN DIABETES  
 49,549  
 42,378

EXPLORATORY STUDIES IN ENVIRONMENTAL CANCER  
 88,000

POLYPLOIDIZATION OF NORMAL AND DIABETIC-ISLETS  
 17,000

\* INCLUDES DIRECT COST ONLY FOR NIH AWARDS

NIH  
RESEARCH GRANTS \*

## GRANT NUMBER PRINCIPAL INVESTIGATOR

LOUISIANA  
NEW ORLEANSLOUISIANA STATE UNIVERSITY MEDICAL CENTER AT NEW ORLEANS  
AM2147-01 BIUNDO, JOSEPH J., JR  
MULTIPURPOSE ARTHRITIS CENTER

INSTITUTION TOTAL	1	90,000
CITY TOTAL	1	90,000
STATE TOTAL	1	90,000

MARYLAND  
BALTIMOREJOHNS HOPKINS UNIVERSITY  
ES01477-01 BANG, FREDERIK B  
AI13718-01 GIBSON, D WADE  
SY01763-01A1 HOCHHEIMER, BERNARD F  
AM20826-01 PATZ, ARNALL  
CA21901-01 ROSEMAN, SAUL  
HD11188-01 SYKES, ZENAS M

INSTITUTION TOTAL	6	470,709
-------------------	---	---------

UNIVERSITY OF MARYLAND SYSTEM--UNIVERSITY OF MARYLAND AT BALTIMORE  
NS13836-01 REIER, PAUL J  
NEURON-GLIAL DYNAMICS DURING REGENERATION

INSTITUTION TOTAL	1	35,918
CITY TOTAL	7	506,627

COLLEGE PARK  
UNIVERSITY OF MARYLAND SYSTEM--UNIVERSITY OF MARYLAND COLLEGE PARK CAMPUS  
NS13934-01 ROWAN, ROBERT, III  
NMR STUDIES ON MYELIN BASIC PROTEIN/LIPID INTERACTIONS

INSTITUTION TOTAL	1	42,519
CITY TOTAL	1	42,519
STATE TOTAL	8	549,146

## MASSACHUSETTS

AMHERST  
UNIVERSITY OF MASSACHUSETTS AT AMHERST  
GM25120-01 HEPLER, PETER K  
AI14049-01 NORKIN, LEONARD C

INSTITUTION TOTAL	2	102,641
-------------------	---	---------

\* INCLUDES DIRECT COST ONLY FOR NIH AWARDS

DOLLARS  
AWARDED

LOUISIANA	90,000
-----------	--------

MARYLAND	32,500
BALTIMORE	54,425
JOHNS HOPKINS UNIVERSITY	40,545
ES01477-01 BANG, FREDERIK B	90,260
AI13718-01 GIBSON, D WADE	226,414
SY01763-01A1 HOCHHEIMER, BERNARD F	26,565
AM20826-01 PATZ, ARNALL	
CA21901-01 ROSEMAN, SAUL	
HD11188-01 SYKES, ZENAS M	

UNIVERSITY OF MARYLAND SYSTEM--UNIVERSITY OF MARYLAND AT BALTIMORE NS13836-01 REIER, PAUL J	35,918
NEURON-GLIAL DYNAMICS DURING REGENERATION	

COLLEGE PARK UNIVERSITY OF MARYLAND SYSTEM--UNIVERSITY OF MARYLAND COLLEGE PARK CAMPUS NS13934-01 ROWAN, ROBERT, III NMR STUDIES ON MYELIN BASIC PROTEIN/LIPID INTERACTIONS	42,519
--	--------

INSTITUTION TOTAL	1
-------------------	---

CITY TOTAL	1
------------	---

STATE TOTAL	8
-------------	---

MASSACHUSETTS	102,641
AMHERST	
UNIVERSITY OF MASSACHUSETTS AT AMHERST GM25120-01 HEPLER, PETER K	70,700
AI14049-01 NORKIN, LEONARD C	31,941

INSTITUTION TOTAL	2
-------------------	---

CALCIUM FLUCTUATION AND LOCALIZATION DURING MITOSIS DEFECTIVE VIRUS FROM SIMIAN VIRUS 40 CARRIER CULTURES	
--	--

NIH  
RESEARCH GRANTS \*

GRANT NUMBER	PRINCIPAL INVESTIGATOR	CITY TOTAL	DOLLARS AWARDED
MASSACHUSETTS			
BOSTON			
AFFILIATED HOSPITALS CENTER--PETER BENT BRIGHAM HOSPITAL			
CA23645-01	SPEZIER, FRANK E	238,633	238,633
AM21094-01	STROM, TERRY B	47,998	47,998
HL21381-01	TARGETMEYER, HEINRICH	31,933	31,933
INSTITUTION TOTAL	3	318,564	
AFFILIATED HOSPITALS CENTER--ROBERT BRECK BRIGHAM HOSPITAL			
AM20580-01	AUSTEN, K FRANK	109,131	109,131
INSTITUTION TOTAL	1	109,131	
BETH ISRAEL HOSPITAL	STEER, MICHAEL L		
AM20302-01		34,451	34,451
INSTITUTION TOTAL	1	34,451	
BOSTON BIOMEDICAL RESEARCH INSTITUTE			
AG00296-01	FUJIMORI, EIJI	43,505	43,505
INSTITUTION TOTAL	1	43,505	
BOSTON UNIVERSITY			
AM20613-01	COHEN, ALAN S	124,393	124,393
NS14033-01	ULLRICK, WILLIAM C	49,274	49,274
INSTITUTION TOTAL	2	173,667	
CHILDREN'S HOSPITAL MEDICAL CENTER			
CA23503-01	EDELSON, PAUL J	62,164	62,164
HL21428-01	ORKIN, STUART H	15,460	15,460
INSTITUTION TOTAL	2	77,624	
HARVARD UNIVERSITY			
ES01507-01	HUBER, AGNES M	27,748	27,748
NS13921-01	MOORE-EDE, MARTIN C	57,301	57,301
INSTITUTION TOTAL	2	85,049	

NIH  
RESEARCH GRANTS \*

## GRANT NUMBER      PRINCIPAL INVESTIGATOR      TITLE OF RESEARCH PROPOSAL

			DOLLARS AWARDED
MASSACHUSETTS			
BOSTON			
JOSLIN DIABETES FOUNDATION		STUDIES TOWARDS DEVELOPMENT OF AN ARTIFICIAL PANCREAS	112,261
AM21222-01	CHICK, WILLIAM L	EXPERIMENTAL JUVENILE-TYPE DIABETES	46,452
AM21111-01	ROSSINI, ALDO A		
INSTITUTION TOTAL	2		158,713
MASSACHUSETTS EYE AND EAR INFIRMIARY			
NS13425-01	SCHUKNECHT, HAROLD F	VESTIBULAR ABLATION	13,760
INSTITUTION TOTAL	1		13,760
MASSACHUSETTS GENERAL HOSPITAL			
HL21751-01	POHOST, GERALD M	THALLIUM AND ANTIMYOSIN IN ISCHEMIA AND INFARCTION	129,485
INSTITUTION TOTAL	1		129,485
TUFTS UNIVERSITY			
AT14534-01A2	STOLLAR, BERNARD D	IMMUNOCHEMICAL BASIS FOR INDUCING TOLERANCE TO DNA	33,761
INSTITUTION TOTAL	1		33,761
VETERANS ADMINISTRATION OUTPATIENT CLINIC			
AG00738-01	POON, LEONARD W	AGE, IMAGERY, REWARD AND PRACTICE IN VERBAL LEARNING	11,900
INSTITUTION TOTAL	1		11,900
CITY TOTAL	18		1,189,610
CAMBRIDGE			
HARVARD UNIVERSITY			
HL21425-01	MC MAHON, THOMAS A	SERO-SIMULATED COMPLIANCE CHANGES: A REVERSIBLE M.I.	35,413
GH24078-01	MILLER, KENNETH R	STRUCTURE OF THE PHOTOSYNTHETIC MEMBRANE	33,568
INSTITUTION TOTAL	2		68,981
MASSACHUSETTS INSTITUTE OF TECHNOLOGY			
HD11161-01	CORNELIUS, WAYNE A	IMPACT OF GOVERNMENT POLICIES ON RURAL OUT-MIGRATION	83,251
INSTITUTION TOTAL	1		83,251
CITY TOTAL	3		152,232
SHREWSBURY			
WORCESTER FOUNDATION FOR EXPERIMENTAL BIOLOGY			
AG00058-01	LONGCOPE, CHRISTOPHER L	OVARIAN FUNCTION IN POSTMENOPAUSAL WOMEN	61,014

\* INCLUDES DIRECT COST ONLY FOR NIH AWARDS

NIH  
RESEARCH GRANTS \*DOLLARS  
AWARDED

## PRINCIPAL INVESTIGATOR

## TITLE OF RESEARCH PROPOSAL

INSTITUTION TOTAL	1	61,014
CITY TOTAL	1	61,014

## MASSACHUSETTS

WOODS HOLE  
MARINE BIOLOGICAL LABORATORY

HD11296-01

WORCESTER  
UNIVERSITY OF MASSACHUSETTS MEDICAL SCHOOL AT WORCESTER

GOODMAN, H MAURICE

AM21216-01

INSTITUTION TOTAL	1	6
CITY TOTAL	1	6

WORCESTER  
UNIVERSITY OF MASSACHUSETTS MEDICAL SCHOOL AT WORCESTER  
ROBINSON, KENNETH R

INSTITUTION TOTAL	1	82,584
CITY TOTAL	1	82,584

ELECTRICAL CURRENTS AND EMBRYONIC CELLS  
82,584

## GRANT NUMBER

## MICHIGAN

ANN ARBOR  
UNIVERSITY OF MICHIGAN

AM20557-01 BOLE, GILES G, JR  
BY02055-01 CICERONE, CAROL M  
AM20572-01 FAJANS, STEFAN S  
GE23954-01 HARBURG, ERNEST  
AM21192-01 PEK, SUMER  
HL21435-01 YOUNG, DAVID B

INSTITUTION TOTAL	1	6
CITY TOTAL	1	6

MULTIPURPOSE ARTHRITIS CENTER  
LIGHT-INDUCED AND INHERITED RETINAL DEGENERATION  
DIABETES & RESEARCH AND TRAINING CENTER  
EARLY LIFE STRESSORS AND ADULT CHRONIC DISEASE  
PROSTAGLANDINS AND SECRETION OF GLUCAGON AND INSULIN  
CONTROL, CARDIOVASCULAR & RENAL EFFECTS OF POTASSIUM  
200,000  
48,318  
855,494  
23,990  
47,519  
23,160

INSTITUTION TOTAL	6	1,198,481
CITY TOTAL	6	1,198,481

DETROIT  
MERRILL-PALMER INSTITUTE  
HD11224-01 FOX, GREER L

INSTITUTION TOTAL	1	79,407
-------------------	---	--------

WAYNE STATE UNIVERSITY  
AM21476-01 MARRAZZI, MARY A

HYPOTHALAMIC GLUCOCORTICOID POTENTIALS--PHARMACOLOGY  
38,288

79,407

NIH  
RESEARCH GRANTS \*

## TITLE OF RESEARCH PROPOSAL

GRANT NUMBER	PRINCIPAL INVESTIGATOR	DOLLARS AWARDED
<b>MICHIGAN</b>		
DETROIT		
WAYNE STATE UNIVERSITY		
HD11266-01	MITCHELL, J ANDREW	9,825
INSTITUTION TOTAL	2	
CITY TOTAL	3	
<b>EAST LANSING</b>		
MICHIGAN STATE UNIVERSITY		
AI14357-01	BOEZI, JOHN A	48,113
INSTITUTION TOTAL	1	
CITY TOTAL	1	
STATE TOTAL	10	
<b>MINNESOTA</b>		
MINNEAPOLIS		
UNIVERSITY OF MINNESOTA		
AM20729-01	BARBOSA, JOSE J	47,665
AM21068-01	HOWARD, RICHARD J	47,665
CA21737-01	KRIVIT, WILLIAM	
CA22088-01	LI, JONATHAN J	
HL19877-01A1	PRINEAS, RONALD J	
AM21277-01	TAN, AGNES W	
NS13326-01A1	ZIEGLER, RICHARD J	
INSTITUTION TOTAL	7	613,476
CITY TOTAL	7	613,476
<b>ROCHESTER</b>		
MAYO FOUNDATION		
AM20837-01	GERICH, JOHN E	55,705
AM21101-01	HEATH, HUNTER, III	35,115
AM2114-01	NORTHRUP, THOMAS E	55,785
AM20605-01	SMITH, LYNNWOOD H	153,820
INSTITUTION TOTAL	4	300,425
CITY TOTAL	4	300,425
STATE TOTAL	11	913,901

\* INCLUDES DIRECT COST ONLY FOR NIH AWARDS

## GRANT NUMBER

## PRINCIPAL INVESTIGATOR

DOLLARS  
AWARDED

## TITLE OF RESEARCH PROPOSAL

MISSOURI  
UNIVERSITY CITY  
WASHINGTON UNIVERSITY  
NS13781-01 ALLISON, JAMES H  
AM20579-01 DAUGHADAY, WILLIAM H  
AM20602-01 HAHN, BEVRA H  
AM21310-01 MATSCHINSKY, FRANZ M

INSTITUTION TOTAL	4	1,262,096
CITY TOTAL	4	1,262,096
STATE TOTAL	4	1,262,096

NEBRASKA  
LINCOLN  
UNIVERSITY OF NEBRASKA SYSTEM--UNIVERSITY OF NEBRASKA AT LINCOLN  
CA22110-01 MICHEJDA, CHRISTOPHER J  
IN VITRO, IN VIVO AND MODEL STUDIES OF NITROSAMINES

INSTITUTION TOTAL	1	40,368
CITY TOTAL	1	40,368

OMAHA  
CREIGHTON UNIVERSITY  
AI14233-01 BEUTRA, AGAINDRA K  
BRONCHIAL SENSITIVITY TO MEDIATORS

INSTITUTION TOTAL	1	30,000
-------------------	---	--------

UNIVERSITY OF NEBRASKA SYSTEM--UNIVERSITY OF NEBRASKA MEDICAL CENTER  
AM21282-01 COOK, DAVID E  
AM21186-01 PHARES, C K  
CA20198-01 POUR, PARVIZ M  
AM21137-01 SHARP, JOHN G  
MECHANISM OF ACTION OF DIABETES ON DRUG METABOLISM  
EFFECTS OF GROWTH FACTORS IN DIABETICS  
MULTIDISCIPLINARY INVESTIGATIONS ON PANCREATIC NEOPLASMS  
ROLE OF SUPPRESSOR T CELLS IN PANCREATIC DISEASE

INSTITUTION TOTAL	4	278,985
CITY TOTAL	5	308,985
STATE TOTAL	6	349,353

NEW HAMPSHIRE  
HANOVER  
DARTMOUTH COLLEGE  
NS13800-01 VELEZ, SAMUEL J  
REGENERATION OF NEURONAL CONNECTIONS

INSTITUTION TOTAL	1	40,210
-------------------	---	--------

\* INCLUDES DIRECT COST ONLY FOR NIH AWARDS

NIH  
RESEARCH GRANTS \*

## GRANT NUMBER PRINCIPAL INVESTIGATOR TITLE OF RESEARCH PROPOSAL

DOLLARS AWARDED

CITY TOTAL	1	40,210
STATE TOTAL	1	40,210

NEW JERSEY  
NEWARK  
COLLEGE OF MEDICINE AND DENTISTRY OF NEW JERSEY  
GM24017-01 FRIEDMAN, KENNETH J  
INSTITUTION TOTAL 1 1  
CITY TOTAL 1 1

26,420  
26,420

26,420  
26,420

PISCATAWAY  
COLLEGE OF MEDICINE AND DENTISTRY OF NEW JERSEY--RUTGERS MEDICAL SCHOOL  
GM23672-01 JOYEUSE, RENE  
INSTITUTION TOTAL 1 1  
CITY TOTAL 1 1  
STATE TOTAL 2 2  
30,908  
30,908  
57,328

NEW MEXICO  
ALBUQUERQUE  
UNIVERSITY OF NEW MEXICO  
CA19326-01A1 YUHAS, JOHN M  
INSTITUTION TOTAL 1 1  
CITY TOTAL 1 1  
STATE TOTAL 1 1  
48,485  
48,485  
48,485

NEW YORK  
ALBANY  
NEW YORK STATE DEPARTMENT OF HEALTH  
ES01544-01 KAMINSKY, LAURENCE S  
GM23900-01 TRIMBLE, ROBERT B  
INSTITUTION TOTAL 2 2  
STATE UNIVERSITY OF NEW YORK AT ALBANY  
AG00697-01 MILLIS, ALBERT J  
INSTITUTION TOTAL 1 1  
66,911  
40,284

30,908  
30,908  
57,328

48,485  
48,485  
48,485

37,365  
29,546

40,284

\* INCLUDES DIRECT COST ONLY FOR NIH AWARDS

GRANT NUMBER PRINCIPAL INVESTIGATOR

CITY TOTAL 3

TITLE OF RESEARCH PROPOSAL 107,195

DOLLARS  
AWARDED

NEW YORK BUFFALO CHILDREN'S HOSPITAL HL22552-01 NS13677-01	EGAN, EDMUND A RATTAZZI, MARIO C	ABNORMAL ALVEOLAR PERMEABILITY AND LUNG DISEASE ENZYME THERAPY IN GM2 GANGLIOSIDOSIS: AN ANIMAL MODEL	80,000 51,840
INSTITUTION TOTAL	2	131,840	
STATE UNIVERSITY OF NEW YORK AT BUFFALO DE04898-01 NS13194-01A1 AM21205-01	GENCO, ROBERT J SACHS, FREDERICK SCHUBART, ULRICH K	PERIODONTAL DISEASE RESEARCH CENTER SYNAPTIC CHANNELS IN TISSUE CULTURED CELLS CYCLIC AMP-DEPENDENT PHOSPHOPROTEINS & INSULIN RELEASE	213,380 56,811 35,965
INSTITUTION TOTAL	3	306,156	
CITY TOTAL	5	437,996	
COLD SPRING HARBOR COLD SPRING HARBOR LABORATORY GM23566-01	BUKHARI, AHMAD I	THE LIFE CYCLE OF MUTATOR PHAGE MU	26,500
INSTITUTION TOTAL	1	26,500	
CITY TOTAL	1	26,500	
NEW YORK AMERICAN DIABETES ASSOCIATION AM21508-01	FREINKEL, NORBERT	ANNUAL RESEARCH SYMPOSIUM	9,632
INSTITUTION TOTAL	1	9,632	
CITY UNIVERSITY OF NEW YORK--MOUNT SINAI SCHOOL OF MEDICINE AM21260-01 HL21151-01	HEIKKILA, RICHARD E PATTERSON, RANDOLPH E	STUDIES ON THE MODE OF ACTION OF DIABETOGENIC AGENTS ISCHEMIC MYOCARDIUM: DELIVERY OF BLOOD FLOW AND DRUGS	45,610 31,577
INSTITUTION TOTAL	2	77,187	
COLUMBIA UNIVERSITY CA22119-01 CA22376-01 AM21086-01	BLINSON, JACK PEIGELSON, PHILIP SCHACHTER, DAVID	LAY GROUP SUPPORT IMPACT ON IMPAIRED'S RECOVERY/FUNCTION CONTROL OF GENE EXPRESSION: NORMAL AND NEOPLASTIC DIABETES MELLITUS: INSULIN CONTROL OF HEXOSE TRANSFER	79,617 18,100 45,276
INSTITUTION TOTAL	3	311,993	

\* INCLUDES DIRECT COST ONLY FOR NIH AWARDS

NIH  
RESEARCH GRANTS \*

## GRANT NUMBER PRINCIPAL INVESTIGATOR TITLE OF RESEARCH PROPOSAL

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
NEW YORK NEW YORK NEW YORK UNIVERSITY NS13740-01 EY01842-01 AM19668-01	BROWN, JASON W RIPPS, HARRIS SHENKMAN, LOUIS	MEMORY PROCESSES UNDERLYING ANOMIA IN APHASIA VISUAL SCIENCES RESEARCH CENTER (CORE FACILITY) IMMUNE RESPONSES TO YERSINIA IN THYROID DISEASE	55,611 177,915 30,167
INSTITUTION TOTAL	3	263,693	
ROCKEFELLER UNIVERSITY HD11164-01 AI14361-01	AGOSTA, WILLIAM C ZABRISKIE, JOHN B	ISOLATION AND IDENTIFICATION OF MAMMALIAN PHEROMONES IMMUNOLOGICAL STUDIES IN STREPTOCOCCAL SEQUELAE	31,068 99,479
INSTITUTION TOTAL	2	130,547	
Yeshiva University AM20541-01 AM21248-01 HL21421-01	FEISCHER, NORMAN S ROSEN, ORA M WEBER, HERBERT	DIABETES RESEARCH AND TRAINING CENTER HORMONAL REGULATION OF ADIPOCYTE DEVELOPMENT IN VITRO MYOCARDIAL/VASCULAR CONTRACTILITY & CYCLIC NUCLEOTIDES	491,877 52,897 29,998
INSTITUTION TOTAL	3	574,772	
CITY TOTAL	14	1,367,824	
PLATTSBURGH STATE UNIVERSITY OF NEW YORK--COLLEGE AT PLATTSBURGH AM21059-01	MOORE, RICHARD D	ROLE OF SODIUM PUMP IN CELLULAR ACTION OF INSULIN	40,193
INSTITUTION TOTAL	1	40,193	40,193
CITY TOTAL	1		
ROCHESTER UNIVERSITY OF ROCHESTER AM21664-01 AM21225-01	BRODOWS, R G MILLER, LEON L	CONTROL OF BASAL INSULIN SECRETION IN MAN DIABETES MELLITUS AND PLASMA GLYCOPROTEIN SYNTHESIS	34,942 26,778
INSTITUTION TOTAL	2	61,720	
CITY TOTAL	2	61,720	
SARANAC LAKE TRUDEAU INSTITUTE AI14065-01	COLLINS, FRANK M	A MOUSE INFECTION MODEL OF LEPROMATOUS LEPROSY	62,744
INSTITUTION TOTAL	1	62,744	
CITY TOTAL	1	62,744	

\* INCLUDES DIRECT COST ONLY FOR NIH AWARDS

NIH  
RESEARCH GRANTS \*DOLLARS  
AWARDED

## TITLE OF RESEARCH PROPOSAL

## GRANT NUMBER

## PRINCIPAL INVESTIGATOR

NEW YORK			
SYRACUSE			
STATE UNIVERSITY OF NEW YORK--UPSTATE MEDICAL CENTER			
NS12761-01A1	HODGE, CHARLES J	SUPRASEGMENTAL CONTROL OF SENSORY EVENTS	48,050
INSTITUTION TOTAL	1		48,050
CITY TOTAL	1		48,050

## VALHALLA

## NEW YORK MEDICAL COLLEGE

AG20926-01      GIACOMELLI, FILIBERTO  
AM20766-01      MOHOS, STEVEN C

PRIMARY MYOCARDIAL DISEASE IN THE DIABETIC MOUSE  
PATHOGENESIS OF GLOMERULAR MICROANGIOPATHY

INSTITUTION TOTAL	2	90,302
CITY TOTAL	2	90,302
STATE TOTAL	30	2,242,524

## NORTH CAROLINA

## CHAPEL HILL

UNIVERSITY OF NORTH CAROLINA SYSTEM--UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL  
CA23648-01      HASKILL, J STEPHEN  
INSTITUTION TOTAL      1  
CITY TOTAL      1

100,000

INSTITUTION TOTAL	1	100,000
CITY TOTAL	1	100,000

## DURHAM

## DUKE UNIVERSITY

NS13745-01

LEVY, NELSON L

56,761

INSTITUTION TOTAL	1	56,761
CITY TOTAL	1	56,761

## WINSTON-SALEM

## WAKE FOREST UNIVERSITY

AG20066-01      RESNICK, MARTIN I  
CA21146-01      WAITE, B MOSELEY

URINARY MACROMOLECULES AND RENAL LITHIASIS  
CHANGES IN CELL MEMBRANES BY ONCOGENIC HERPES SIMPLEX

INSTITUTION TOTAL	2	75,407
CITY TOTAL	2	75,407
STATE TOTAL	4	232,168

NIH  
RESEARCH GRANTS \*

## GRANT NUMBER      PRINCIPAL INVESTIGATOR      TITLE OF RESEARCH PROPOSAL

DOLLARS  
AWARDED

OHIO	CINCINNATI JEWISH HOSPITAL OF CINCINNATI HL21418-01	WEYLER, BERNARD C	EXPERIMENTAL MYOCARDIAL INFARCTION	41,962
INSTITUTION	TOTAL	1		
UNIVERSITY OF CINCINNATI			HUMORAL FACTORS OF HOST DEFENSE AGAINST B. PRAGILIS	31,986
AI 13688-01A1	BJORNSON, ANN B		DEVELOPMENT OF 99-MTC MYOCARDIAL IMAGING AGENTS	40,464
HL 21276-01	DEUTSCH, EDWARD A		MODULATION OF CALCIUM CONTROL OF CARDIAC MYOFIBRILS	50,135
HL 22231-01	SOLARO, R JOHN			
INSTITUTION	TOTAL	3		122,585
CITY	TOTAL	4		164,547
CLEVELAND			REGULATION OF THE SYNTHESIS OF LIPOGENIC ENZYMES	95,272
CASE WESTERN RESERVE UNIVERSITY				
AM 21594-01	GOODRIDGE, ALAN G			
INSTITUTION	TOTAL	1		
MOUNT SINAI HOSPITAL OF CLEVELAND			ROLE OF CARNITINE AND RELATED METABOLITES IN KETOSIS	58,179
AM 21009-01	GENUTH, SAUL M			
INSTITUTION	TOTAL	1		58,179
CITY	TOTAL	2		153,451
STATE	TOTAL	6		317,998
OKLAHOMA				
OKLAHOMA CITY				
OKLAHOMA MEDICAL RESEARCH FOUNDATION			FREE RADICALS IN NITROSO-UNSATURATED LIPID REACTIONS	22,261
CA 21542-01	FLOYD, ROBERT A			
INSTITUTION	TOTAL	1		22,261
CITY	TOTAL	1		22,261
TULSA				
OKLAHOMA COLLEGE OF OSTEOPATHIC MEDICINE AND SURGERY				
AM 19927-01	CONRAD, ROBERT S		METABOLIC EFFECTS OF BRANCHED-CHAIN KETO ACIDS	13,512
INSTITUTION	TOTAL	1		13,512
CITY	TOTAL	1		13,512

\* INCLUDES DIRECT COST ONLY FOR NIH AWARDS

NIH  
RESEARCH GRANTS \*DOLLARS  
AWARDED

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL
STATE TOTAL	2	35,773

STATE	INSTITUTION	INVESTIGATOR	PROJECT	BUDGET
OREGON	CORVALLIS	OREGON STATE HIGHER EDUCATION SYSTEM--OREGON STATE UNIVERSITY	ENVIRONMENTAL CONTAMINANTS: EFFECT ON TUMOR IMMUNITY	37,895
	ES01612-01	KOLLER, LOREN D		
	INSTITUTION TOTAL	1		37,895
	CITY TOTAL	1		37,895
	STATE TOTAL	1		37,895
PENNSYLVANIA	HERSHEY	PENNSYLVANIA STATE UNIVERSITY	MILTON S. HERSHEY MEDICAL CENTER LYSOSOMAL ROLE IN INSULIN AND GLUCAGON DEGRADATION	36,680
	AM21159-01	WARD, WALTER F		
	INSTITUTION TOTAL	1		36,680
	CITY TOTAL	1		36,680
PHILADELPHIA	DREXEL UNIVERSITY	ESFAHANI, MOJTABA	STRUCTURE AND FUNCTION OF LIPIDS IN MEMBRANES	37,641
	GM23558-01			
	INSTITUTION TOTAL	1		37,641
PAHLHANN MEDICAL COLLEGE AND HOSPITAL OF PHILADELPHIA	VANDERLINDE, RAYMOND E		RELATIONSHIP OF TISSUE LEVELS OF CHROMIUM TO DIABETES	45,910
	AM0830-01			
	INSTITUTION TOTAL	1		45,910
UNIVERSITY OF PENNSYLVANIA	VANDERKOOI, JANE M		METAL INTOXICATION AND METALLOCYTOCHROME SYNTHESIS	15,000
	ES01628-01			
	INSTITUTION TOTAL	1		15,000
WISTAR INSTITUTE OF ANATOMY AND BIOLOGY			BIOLOGY OF HUMAN FIBROSARCOMA	53,527
	CA20741-01A1	CROCE, CARLO M	GENETICS AND VIROLOGY OF CANCER	408,037
	CA21124-01	KOPROWSKI, HILARY		
	INSTITUTION TOTAL	2		461,564
	CITY TOTAL	5		560,115

\* INCLUDES DIRECT COST ONLY FOR NIH AWARDS

RESEARCH GRANTS \*

PRINCIPAL INVESTIGATOR  
GRANT NUMBER

TITLE OF RESEARCH PROPOSAL

**DOLLARS  
AWARDED**

PENNSYLVANIA  
PITTSBURGH  
CARNEGIE-MELLON UNIVERSITY  
HL20632-01  
LONGINI, RICHARD L  
AN OPTIMAL FETAL HEART MONITOR  
47, 945

UNIVERSITY OF PITTSBURGH  
GM 23609-01      SAK, MARTIN  
INSTITUTION TOTAL      1      28,700  
CITY TOTAL      2      76,645  
STATE TOTAL      8      673,440  
THE STEREOCHEMICAL AND VALENCE STRUCTURE OF THIAMINE

RHODE ISLAND  
PROVIDENCE  
BROWN UNIVERSITY  
AI 13544-01A1      LANDY, ARTHUR  
INSTITUTION TOTAL      1      34.059  
CITY TOTAL      1      34.059  
STATE TOTAL      1      34.059  
MECHANISMS OF SITE-SPECIFIC RECOMBINATION  
34.059

**SOUTH CAROLINA  
CHARLESTON**

**AMERICAN ASSOCIATION OF NEUROPATHOLOGISTS**

**NS 13861-01**

**NS 13862-01**

**NS 13863-01**

**EARLE, KENNETH M**

**EARLE, KENNETH M**

**EARLE, KENNETH M**

**EARLE, KENNETH M**

**SYMPORIUM--NEURONAL & GLIAL PROCESSES IN NEUROPATHOLOGY**

**SYMPOSIUM ON DISORDERS OF PERIPHERAL NERVES**

**SYMPOSIUM ON DEVELOPMENTAL NEUROPATHOLOGY**

MEDICAL UNIVERSITY OF SOUTH CAROLINA  
AM20571-01 LE ROY, E CARWILE  
INSTITUTION TOTAL 1  
CITY TOTAL 4  
EARLY DETECTION AND OUTCOME OF RHEUMATIC DISEASE  
120,000  
157,263

NIH  
RESEARCH GRANTS \*

## GRANT NUMBER

DOLLARS  
AWARDED

## PRINCIPAL INVESTIGATOR

## TITLE OF RESEARCH PROPOSAL

CITY TOTAL 1 21,440

STATE TOTAL 5 178,703

TENNESSEE  
KNOXVILLE  
UNIVERSITY OF TENNESSEE SYSTEM--UNIVERSITY OF TENNESSEE AT KNOXVILLE  
AM14387-01 BECKER, JEFFREY M

50,130

INSTITUTION TOTAL 1 50,130

CITY TOTAL 1 50,130

NASHVILLE

VANDERBILT UNIVERSITY  
CHAN, TIMOTHY M  
AM21130-01  
AM21170-01  
AM21323-01  
JOHNSON, ROGER A  
SOLNIM, EPHRAIM A39,814  
41,304  
31,110

INSTITUTION TOTAL 3 112,228

CITY TOTAL 3 112,228

INSTITUTION TOTAL 4 162,358

CITY TOTAL 4 162,358

DALLAS

AUSTIN  
UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS AT AUSTIN  
GM23331-01A1 BLOCH, DAVID P

28,906

INSTITUTION TOTAL 1 28,906

CITY TOTAL 1 28,906

DALLAS

UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT DALLAS  
FACETT, C PETER  
AM21163-01  
AM19636-01  
AM21287-01  
AM20543-01  
AM20976-01  
AM20628-01  
HERNDON, JAMES H., JR  
LINN, TRACY C  
PAK, CHARLES Y  
ZAHLTEN, RAINER N  
ZIFF, MORRIS  
HYPOTHALAMIC REGULATION OF THE ENDOCRINE PANCREAS  
PERMEABILITY OF THE EPIDERMAL-DERMAL BASEMENT ZONE  
REGULATION OF LIPOGENIC ENZYMES IN DIABETES  
FORMULATION OF RATIONAL THERAPY OF UROLITHIASIS  
CYTOSOLIC FUMARASE IN DIABETES  
MULTIPURPOSE ARTHRITIS CENTER34,298  
32,469  
28,981  
178,595  
23,923  
60,968INSTITUTION TOTAL 6 359,234  
CITY TOTAL 6 359,234

\* INCLUDES DIRECT COST ONLY FOR NIH AWARDS

NIH  
RESEARCH GRANTS \*

## GRANT NUMBER

## PRINCIPAL INVESTIGATOR

DOLLARS  
AWARDED

TEXAS  
GALVESTON  
UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS MEDICAL BRANCH AT GALVESTON  
NS 13778-01 FISHMAN, HARVEY E  
NS 137727-01 GALLAGHER, JOEL P  
THE PHARMACOLOGY OF A GABA RECEPTOR

INSTITUTION TOTAL 2  
CITY TOTAL 2  
253,263  
253,263

HOUSTON  
BAYLOR COLLEGE OF MEDICINE  
AM 21203-01 BOYD, AUBREY E, III  
HL 21052-01 GORRY, G ANTHONY  
EVALUATION OF A DIGITALIS THERAPY ADVISOR

INSTITUTION TOTAL 2  
70,063

UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT HOUSTON  
CA 21350-01 LANDERS, TERRY A  
ROLE OF TUMOR VIRUS STRUCTURAL PROTEINS IN INFECTION

INSTITUTION TOTAL 1  
CITY TOTAL 3  
40,838  
110,901

SAN ANTONIO  
SOUTHWEST FOUNDATION FOR RESEARCH AND EDUCATION  
ES 01246-01A1 GELLER, IRVING  
EFFECTS OF ATMOSPHERIC POLLUTANTS ON BEHAVIOR

INSTITUTION TOTAL 1  
51,320

TEXAS DEPARTMENT OF HEALTH RESOURCES--SAN ANTONIO CHEST HOSPITAL  
AI 13573-01A1 COX, REBECCA A  
C-ASWS: A COCCIDIODES CELL WALL ANTIGEN

INSTITUTION TOTAL 1  
73,545

UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT SAN ANTONIO  
AI 14272-01 DRUTZ, DAVID J  
HD 10202-01A1 PAUERSTEIN, CARL J  
CENTER FOR RESEARCH IN REPRODUCTIVE BIOLOGY

INSTITUTION TOTAL 2  
CITY TOTAL 4  
370,700  
495,565  
STATE TOTAL 16  
1,247,869

## GRANT NUMBER

## PRINCIPAL INVESTIGATOR

DOLLARS  
AWARDED

UTAH  
SALT LAKE CITY  
UTAH STATE HIGHER EDUCATION SYSTEM--UNIVERSITY OF UTAH  
AM20503-01 RUSHNER, JAMES P  
PORPHYRIN BIOSYNTHESIS IN NORMAL AND DISEASE STATES

INSTITUTION TOTAL	1	68,677
CITY TOTAL	1	68,677
STATE TOTAL	1	68,677

VERMONT  
BURLINGTON  
UNIVERSITY OF VERMONT AND STATE AGRICULTURAL COLLEGE  
AM20790-01 CRAIGHEAD, JOHN E

INSTITUTION TOTAL	1	77,718
CITY TOTAL	1	77,718
STATE TOTAL	1	77,718

VIRGINIA  
CHARLOTTESVILLE  
UNIVERSITY OF VIRGINIA  
AM20787-01 CURNOW, RANDALL T  
HD11192-01 IVEY, HALLAM H  
GM23573-01 THOMPSON, THOMAS E  
GM25244-01 WYANDT, HERMAN E  
PROTEIN PHOSPHATASE IN NORMAL AND DIABETIC LIVER  
THE USE OF NEBULIZED SURFACTANTS IN TREATMENT OF RDS  
PROPERTIES OF BILAYERS CONTAINING GLYCOSPHINGOLIPIDS  
SOMATIC STUDIES OF HUMAN RING CHROMOSOMES

INSTITUTION TOTAL	4	212,753
CITY TOTAL	4	212,753

RICHMOND  
VIRGINIA COMMONWEALTH UNIVERSITY  
HD11247-01 JOHNSON, JAMES H  
HL21493-01 PANG, DAVID C  
NEUROENDOCRINE CONTROL OF GONADOTROPINS AT PUBERTY  
CONTRACTILITY IN CARDIAC FAILURE

INSTITUTION TOTAL	2	67,158
CITY TOTAL	2	67,158
STATE TOTAL	6	279,911

RESEARCH GRANTS \* WITH

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL
--------------	------------------------	----------------------------

WASHINGTON  
PULLMAN  
WASHINGTON STATE UNIVERSITY  
AM20462-01A1      KRAMER, JOHN W  
INSTITUTION TOTAL      1  
CITY TOTAL      1  
A NEW ANIMAL MODEL OF INHERITED DIABETES MELLITUS  
41,346  
41,346

SEATTLE  
CHILDREN'S ORTHOPEDIC HOSPITAL AND MEDICAL CENTER  
HL20883-01  
STREETER, DANIEL D, JR  
FIBER GEOMETRY IN HYPERTROPHY AND CARDIOMYOPATHY  
49, 145

卷之三

UNIVERSITY OF WASHINGTON  
AM21185-01 CRILL, WAYNE E  
HD11070-01 HILLE, MERRILL B  
AI14180-01 KUO, CHO-CHOU  
PANCREATIC ISLET ELECTRICAL ACTIVITY AND SECRETION  
ACTIVATION OF PROTEIN SYNTHESIS IN ECHINOIDEA EMBRYOS  
IMMUNOLOGY OF CHLAMYDIA TRACHOMATIS GENITAL INFECTION  
11, 311  
31, 104  
51, 262

VETERANS ADMINISTRATION HOSPITAL  
JAN 2075/01 UNITED TERRITORY  
INSTITUTION TOTAL 3 93,611

THE FAIRNESSNESS OF INFLUENCE IN DIADICS HELLIUS 34, 664

INSTITUTION TOTAL	1	34,664
CITY TOTAL	5	177,486
STATE TOTAL	6	218,832

WISCONSIN MADISON	UNIVERSITY OF WISCONSIN SYSTEM--UNIVERSITY OF WISCONSIN-MADISON	33-314 35-458 30-483 43-182
	ES 01839-01 ES 01339-01A1 AM 20678-01 AM 21148-01	ALLAN, JAMES R ALLEN, JAMES R LARDY, HENRY A PORTER, JOHN W
		DIKIN INDUCED TOXICITY AND CARCINOGENICITY IMPLICATIONS OF LOW LEVEL EXPOSURE TO DIOXINS REGULATION OF GLUCONEOGENESIS IN DIABETES REGULATION OF LIPOGENESIS BY INSULIN AND GLUCAGON
INSTITUTION TOTAL	4	159-437
CITY TOTAL	4	159-437

MILWAUKEE  
MEDICAL COLLEGE OF WISCONSIN  
HL21071-01 BONCHEK, LAWRENCE I  
MECHANISMS OF HYPERTENSION IN COARCTATION OF THE AORTA  
136 892

NIH  
RESEARCH GRANTS \*

## GRANT NUMBER

## PRINCIPAL INVESTIGATOR

WISCONSIN

MILWAUKEE

MEDICAL COLLEGE OF WISCONSIN

AI13818-01A1

GROSSBERG, SIDNEY E

INSTITUTION TOTAL

2

CITY TOTAL

2

STATE TOTAL

6

/

CANADA

MONTREAL

MAISONNEUVE HOSPITAL

AM20136-01

GAGNAN-BRUNETTE, MICHELE

MOLECULAR MECHANISMS OF ANTI VIRAL RESISTANCE

INSTITUTION TOTAL

1

CITY TOTAL

1

STATE TOTAL

1

ISRAEL

JERUSALEM

HEBREW UNIVERSITY OF

JERUSALEM

NS13935-01

WERNER, ROBERT

PHYSIOLOGY OF MAGNESIUM IN THE PAPILLA OF RAT KIDNEY

INSTITUTION TOTAL

1

CITY TOTAL

1

STATE TOTAL

1

/

KOREA REP OF

SEOUL

KOREA ADVANCED INSTITUTE OF SCIENCE

CA2129-01

SHIM, SANG C

PHOTOCHEMISTRY OF DIMETHOKYCOUMARIN

INSTITUTION TOTAL

1

CITY TOTAL

1

STATE TOTAL

1

/

S AFR REP OF

PRETORIA

UNIVERSITY OF PRETORIA

CA21692-01

FALKSON, GEOFFREY

\* INCLUDES DIRECT COST ONLY FOR NIH AWARDS

EASTERN COOPERATIVE ONCOLOGY GROUP STUDIES

43,813

DOLLARS  
AWARDED

70,487

24,950

46,535

10,590

10,590

10,590

10,590

NIH  
RESEARCH GRANTS \*

## GRANT NUMBER      PRINCIPAL INVESTIGATOR      TITLE OF RESEARCH PROPOSAL

DOLLARS  
AWARDED

INSTITUTION TOTAL	1	43,813
CITY TOTAL	1	43,813
STATE TOTAL	1	43,813

## UNITED KINGDOM

LONDON  
UNIVERSITY OF LONDON  
CA21959-01

SIMS, PETER

METABOLIC ACTIVATION OF THE POLYCYCLIC HYDROCARBONS

53,830

INSTITUTION TOTAL	1	53,830
CITY TOTAL	1	53,830
STATE TOTAL	1	53,830
TOTAL	249	20,271,669

NIH  
RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	DOLLARS AWARDED
ALABAMA BIRMINGHAM UNIVERSITY OF ALABAMA IN BIRMINGHAM CP71013-00	HUNTER, ERIC	IN VITRO TRANSFORMING POTENTIAL OF MPMV	62,875
INSTITUTION TOTAL	1		62,875
CITY TOTAL	1		62,875
STATE TOTAL	1		62,875
ARIZONA TUCSON UNIVERSITY OF ARIZONA HV72931-00	OVITT, THERON W	NONINVASIVE DETECTION OF ATHEROSCLEROTIC LESIONS	357,812
INSTITUTION TOTAL	1		357,812
CITY TOTAL	1		357,812
STATE TOTAL	1		357,812
CALIFORNIA BERKELEY ANDROS, INC. HV72938-00 HV72933-00	PORTNER, PEER M PORTNER, PEER M	DEVELOPMENT OF A LEFT HEART ASSIST BLOOD PUMP ELECTRICAL ENERGY TRANSMISSION TECHNIQUE DEVELOPMENT	204,640 163,608
INSTITUTION TOTAL	2		368,248
CITY TOTAL	2		368,248
DAVIS UNIVERSITY OF CALIFORNIA AT DAVIS HV72954-00	BORHANI, NEMAT O	CLINICAL CENTER FOR PROPRANOLOL HEART TRIAL	11,051
INSTITUTION TOTAL	1		11,051
CITY TOTAL	1		11,051
GILROY SIMONSEN LABORATORIES CH7166-00	RUSSELL, JAMES D	GENETIC CENTER FOR RODENTS IN BIOCONTAINMENT ENVIRONMENT	509,710
INSTITUTION TOTAL	1		509,710
CITY TOTAL	1		509,710

NIH  
RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	DOLLARS AWARDED
CALIFORNIA			
LA JOLLA			
SALK INSTITUTE FOR BIOLOGICAL STUDIES			
CP71008-00	FAN, HUNG	CELLULAR DIFFERENTIATION AND VIRAL ONCOGENESIS	136,650
INSTITUTION TOTAL	1		136,650
SCRIPPS CLINIC AND RESEARCH FOUNDATION			
CB74126-00	CALLAHAN, GERALD N	DETECTION OF TUMOR SPECIFIC ANTIGENS IN CIRCULATION	73,085
CB74196-00	HAMAOKA, TOSHIYUKI	HOUSE TUMOR IMMUNOTHERAPY/HEPTEN REACTIVE T LYMPHOCYTES	45,000
INSTITUTION TOTAL	2		118,085
UNIVERSITY OF CALIFORNIA AT SAN DIEGO			
NS72370-00	MARSHALL, LAWRENCE F	COMPREHENSIVE CENTRAL NERVOUS SYSTEM TRAUMA CENTER	91,938
INSTITUTION TOTAL	1		91,938
CITY TOTAL	4		346,673
LOMA LINDA			
LOMA LINDA UNIVERSITY			
LN74719-00	KNABENBAUER, ROBERT H	MEDICAL ILLUSTRATION SERVICES	13,170
INSTITUTION TOTAL	1		13,170
CITY TOTAL	1		13,170
LOS ANGELES			
UNIVERSITY OF CALIFORNIA AT LOS ANGELES			
CB74133-00	TAKASUGI, MITSUO	NORMALS CELL MEDIATED REACTIVITY TO HUMAN TUMOR ANTIGENS	68,509
INSTITUTION TOTAL	1		68,509
UNIVERSITY OF SOUTHERN CALIFORNIA			
HV72930-00	BLANKENHORN, DAVID H	ATHEROSCLEROSIS ASSESSMENT--ANGIOGRAPHY AND ULTRASOUND	282,885
INSTITUTION TOTAL	1		282,885
CITY TOTAL	2		351,394
MENLO PARK			
STANFORD RESEARCH INSTITUTE INTERNATIONAL			
CP75917-00	CHEUNG, ANDREW P	DETECT AND IDENTIFY MUTAGENS IN HUMAN BODY FLUIDS	72,309
HD72828-00	DAWSON, MARCIA I	POLYMERIC INTRAVAGINAL CONTRACEPTIVES	68,050

NIH  
RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	DOLLARS AWARDED
CALIFORNIA ABNLO PARK STANFORD RESEARCH INSTITUTE INTERNATIONAL CP75930-00 HD72817-00	JOHNSON, H. L. TANABE, MASATO	STRUCTURE-ACTIVITY OF CANCER RELATED ENDPOINTS ABEO STEROIDS AS CONTRACEPTIVE AGENTS	101,153 156,538
INSTITUTION TOTAL CITY TOTAL	4 4	398,050 398,050	
OAKLAND KAISER FOUNDATION HOSPITALS--KAISER FOUNDATION RESEARCH INSTITUTE CB74169-00	COOPER, J. PENIMORE	CLINICAL EVALUATION OF IMMUNODIAGNOSTIC TESTS FOR CANCER	88,969
INSTITUTION TOTAL CITY TOTAL	1 1	88,969 88,969	
PASADENA CALIFORNIA INSTITUTE OF TECHNOLOGY CP71004-00	DAVIDSON, NORMAN	RESTRICTION ENDONUCLEASE ANALYSIS	90,240
INSTITUTION TOTAL CITY TOTAL	1 1	90,240 90,240	
SACRAMENTO CALIFORNIA STATE HEALTH AND WELFARE AGENCY CP71035-00	AUSTIN, DONALD F.	EPA/NCI SPECIAL SKIN CANCER EPIDEMIOLOGY STUDY	85,720
INSTITUTION TOTAL CITY TOTAL	1 1	85,720 85,720	
SAN FRANCISCO UNIVERSITY OF CALIFORNIA AT SAN FRANCISCO CB74178-00 NS72367-00	GOODMAN, JOEL W. HERZENICK, MICHAEL H.	CHARACTERIZATION OF ANTIGEN BINDING T-CELL RECEPTORS DEVELOP MULTICHANNEL ELECTRODES FOR AUDITORY PROSTHESIS	70,773 83,700
INSTITUTION TOTAL CITY TOTAL	2 2	154,473 154,473	
STANFORD STANFORD UNIVERSITY CP71052-00	KAPLAN, HENRY S	RADLV INFECTION AND LYMPHOCYTE DIFFERENTIATION IN MICE	125,000

NIH  
RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	DOLLARS AWARDED
<b>CALIFORNIA</b>			
STANFORD STANFORD UNIVERSITY CP 75928-00 NS 72366-00	LOEW, GILDA WHITE, ROBERT	STRUCTURE-ACTIVITY OF CANCER RELATED ENDPOINTS DEVELOP ELECTRODES FOR AUDITORY PROSTHESIS	82,747 104,500
INSTITUTION TOTAL CITY TOTAL	3 3	312,247 312,247	
<b>TORRANCE</b> LOS ANGELES COUNTY HEALTH SERVICES DEPARTMENT--LOS ANGELES COUNTY HARBOR GENERAL HOSPITAL AM72220-00 PARLOW, ALFRED F			
INSTITUTION TOTAL CITY TOTAL	1 1	149,509 149,509	149,509
STATE TOTAL	24	2,879,454	
<b>COLORADO</b>			
DENVER NATIONAL ASTHMA CENTER HR 72972-00	CREER, THOMAS	SELF-MANAGEMENT SYSTEMS FOR ASTHMATIC CHILDREN	82,270
INSTITUTION TOTAL	1		
UNIVERSITY OF COLORADO MEDICAL CENTER HV72946-00	STEWART, JOHN M	DEVELOPMENT OF KALLIRINE-KININ SYSTEM ANTAGONISTS	58,324
INSTITUTION TOTAL CITY TOTAL	1 2	140,594	58,324 140,594
STATE TOTAL	2	140,594	
<b>CONNECTICUT</b> STORRS UNIVERSITY OF CONNECTICUT HV72929-00			
INSTITUTION TOTAL CITY TOTAL	1 1	142,609 142,609	142,609
STATE TOTAL	1	142,609	
<b>IMPROVED DETECTION OF ATHEROSCLEROSIS</b>			
HV72929-00 FOX, MARTIN D			
INSTITUTION TOTAL CITY TOTAL	1 1	142,609 142,609	142,609
STATE TOTAL	1	142,609	

NIH  
RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	DOLLARS AWARDED
DELAWARE WILMINGTON MEDICAL CENTER CB74137-00	WHITNEY, LESLIE W	SERUM FROM PATIENTS WITH BREAST LESIONS	30,700
INSTITUTION TOTAL	1	30,700	
CITY TOTAL	1	30,700	
STATE TOTAL	1	30,700	
DIST OF COL WASHINGTON AMERICAN INSTITUTES FOR RESEARCH HD72820-00	CARD, JOSEFINA JAYME SHANNER, WILLIAM E	LONG-TERM CONSEQUENCES OF ADOLESCENT'S CHILDREN SELF-MANAGEMENT SYSTEMS FOR ASTHMATIC CHILDREN	72,671 158,200
INSTITUTION TOTAL	2	230,871	
AMERICAN SOCIETY FOR MICROBIOLOGY AI72527-00	ACKER, ROBERT F	RECOMBINANT DNA--MICROBIOLOGY TECH. & BIOHAZARD CONTROL	28,358
INSTITUTION TOTAL	1	28,358	
COUNCIL ON LIBRARY RESOURCES LN74715-00	COLE, FRED	MEDICAL LIBRARY MANAGEMENT INTERN PROGRAM	123,910
INSTITUTION TOTAL	1	123,910	
CITY TOTAL	4	383,139	
STATE TOTAL	4	383,139	
GEORGIA ATLANTA BILL DRATH ILLUSTRATIONS LN74716-00	DRATH, WILFRED H	MISCELLANEOUS GRAPHIC ILLUSTRATION SERVICES	18,000
INSTITUTION TOTAL	1	18,000	
CITY TOTAL	1	18,000	
STATE TOTAL	1	18,000	
HAWAII HONOLULU PACIFIC HEALTH RESEARCH INSTITUTE HV72956-00	MC NAMARA, J JUDSON	CLINICAL CENTER FOR PROPRANOLOL HEART TRIAL	10,699

NIH  
RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	DOLLARS AWARDED
INSTITUTION TOTAL	1	10,699	
CITY TOTAL	1	10,699	
STATE TOTAL	1	10,699	
ILLINOIS			
CHICAGO			
LIT RESEARCH INSTITUTE	HOON, RICHARD C	PREVENTION OF PRENEOPLASTIC LESIONS OF THE MAMMARY GLAND	81,000
CB74207-00			
INSTITUTION TOTAL	1	81,000	
NORTHWESTERN UNIVERSITY			
HV72963-00	HARING, OLGA M	CLINICAL CENTER FOR PROPRANOLOL HEART TRIAL	6,624
INSTITUTION TOTAL	1	6,624	
RUSH-PRESBYTERIAN-ST.	LUKE'S MEDICAL CENTER	CLINICAL CENTER FOR PROPRANOLOL HEART TRIAL	
HV72967-00	SCHOENBERGER, JAMES A		
INSTITUTION TOTAL	1	8,926	
UNIVERSITY OF CHICAGO	FITCH, FRANK W	CHARACTERIZATION OF ANTIGEN-BINDING T-CELL RECEPTORS	72,523
CB74149-00			
INSTITUTION TOTAL	1	72,523	
UNIVERSITY OF ILLINOIS AT THE MEDICAL CENTER			
DE72401-00	SADOWSKY, CYRIL	LONG-TERM EFFECTS OF ORTHODONTIC TREATMENT	78,800
INSTITUTION TOTAL	1	78,800	
CITY TOTAL	5	247,873	
EVANSTON			
EVANSTON HOSPITAL	GARYN, WILNER	CLINICAL CENTER FOR PROPRANOLOL HEART TRIAL	10,684
HV72955-00			
INSTITUTION TOTAL	1	10,684	
NORTHWESTERN UNIVERSITY			
CB74114-00	EPSTEIN, MAS	INNOVATIVE TECHNIQUES FOR COLONOSCOPE PASSAGE INTO CECUM	119,671
INSTITUTION TOTAL	1	119,671	
CITY TOTAL	2	130,355	

NIH  
RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	DOLLARS AWARDED
ILLINOIS MAYWOOD LOYOLA UNIVERSITY MEDICAL CENTER HD72843-00	GOLDBERG, JULIUS	SIDS RISK FACTOR COOPERATIVE STUDY	182,514
INSTITUTION TOTAL	1		182,514
CITY TOTAL	1		182,514
STATE TOTAL	8		560,742
INDIANA CUMBERLAND HARLAN INDUSTRIES CH77168-00	HARLAN, HAL P	PRIMARY GENETIC CENTER FOR GERMFREE RODENTS	220,690
INSTITUTION TOTAL	1		220,690
CITY TOTAL	1		220,690
STATE TOTAL	1		220,690
KANSAS LAWRENCE INTEREX RESEARCH CORPORATION HD72833-00	BODOR, NICHOLAS	DEVELOPMENT OF ORALLY-ACTIVE DOSAGE FORMS FOR STEROIDS	125,738
INSTITUTION TOTAL	1		125,738
CITY TOTAL	1		125,738
STATE TOTAL	1		125,738
KENTUCKY LEXINGTON UNIVERSITY OF KENTUCKY HD72830-00	HUSSAIN, ANWAR A	DEVELOPMENT OF SUSTAINED RELEASE ORAL DOSAGE FORMS	101,500
INSTITUTION TOTAL	1		101,500
CITY TOTAL	1		101,500
STATE TOTAL	1		101,500
LOUISIANA BATON ROUGE LOUISIANA STATE UNIVERSITY AND AGRICULTURAL AND MECHANICAL COLLEGE AT BATON ROUGE AH72238-00	CHANG, RAMSAY L	USE OF ANIONIC MEMBRANES FOR HEMOFILTRATION	15,000

NIH  
RESEARCH CONTRACTSDOLLARS  
AWARDED

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	DOLLARS AWARDED
INSTITUTION TOTAL	1	15,000	72,512
CITY TOTAL	1	15,000	
LOUISIANA NEW ORLEANS LOUISIANA STATE UNIVERSITY MEDICAL CENTER AT NEW ORLEANS AN 72226-00	GANZALEZ, FRANCISCO M	MECHANISMS OF VASCULAR ACCESS PROBLEMS IN HEMODIALYSIS	72,512
INSTITUTION TOTAL	1	72,512	
TULANE UNIVERSITY CP71037-00	KREMENTZ, EDWARD T	EPA/NCI SPECIAL SKIN CANCER EPIDEMIOLOGY STUDY	91,201
INSTITUTION TOTAL	1	91,201	
CITY TOTAL	2	163,713	
STATE TOTAL	3	178,713	
MARYLAND BALTIMORE AMERICAN ASSOCIATION OF NEUROSURGICAL NURSES NS72355-00	RAUCH, PATRICIA	DEVELOP CERTIFICATION EXAM FOR NEUROSURGICAL NURSES	19,100
INSTITUTION TOTAL	1	19,100	
JOHNS HOPKINS UNIVERSITY CP75929-00	KAUFMAN, JOYCE J	STRUCTURE-ACTIVITY OF CANCER RELATED ENDPOINTS	81,009
INSTITUTION TOTAL	1	81,009	
CITY TOTAL	2	100,109	
BETHESDA COMPUTER DATA SYSTEMS NS72374-00	BAILY, JAMES T	ANALYSES OF NINCDS PERINATAL PROJECT DATA	149,670
INSTITUTION TOTAL	1	149,670	
CITY TOTAL	1	149,670	
CHEVERLY VARIAN ASSOCIATES LH74718-00	NOT APPLICABLE	SPARE PARTS FOR NLM SATELLITE BIOMED COMMUNICA SYSTEM	24,775
INSTITUTION TOTAL	1	1	

NIH  
RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	DOLLARS AWARDED
CITY TOTAL	1	24,775	
MARYLAND			
ROCKVILLE			
MICRODyne CORPORATION	NOT APPLICABLE	SPARE PARTS FOR NLM SATELLITE BIOMED COMMUNICA SYSTEM	19,500
LN74714-00			
INSTITUTION TOTAL	1	19,500	
WESTAT RESEARCH, INC			
MS72379-00	SCHROEDER, ANITA G	COMPREHENSIVE DISEASE STATISTICS SURVEY	219,543
INSTITUTION TOTAL	1	219,543	
CITY TOTAL	2	239,043	
SILVER SPRING			
ONWARD CORPORATION	LSBISTER, JAMES D	NICHHD CENTERS EVALUATION STUDY	144,421
HD72850-00			
INSTITUTION TOTAL	1	144,421	
CITY TOTAL	1	144,421	
STATE TOTAL	7	658,018	
MASSACHUSETTS			
BOSTON			
BOSTON UNIVERSITY			
CP71029-00	SHAPIRO, SAMUEL	CASE CONTROL STUDY OF CARCINOMA OF ENDOMETRIUM	35,478
CB74099-00	SHAPIRO, SAMUEL	ESTROGEN REPLACEMENT AFTER PREMENOPAUSAL OOPHORECTOMY	37,700
HW72951-00	VOKONAS, PANTELS	CLINICAL CENTER FOR PROPRANOLOL HEART TRIAL	6,698
INSTITUTION TOTAL	3	79,876	
HARVARD UNIVERSITY			
HW72940-00	BRAUNWALD, EUGENE	THERAPY TO PROTECT ISCHEMIC MYOCARDIUM	147,079
INSTITUTION TOTAL	1	147,079	
LAHEY CLINIC FOUNDATION			
CB74212-00	COLLER, JOHN A	INNOVATIVE TECHNIQUES FOR COLONOSCOPE PASSAGE INTO CECUM	96,600
INSTITUTION TOTAL	1	96,600	

NIH  
RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	DOLLARS AWARDED
MASSACHUSETTS			
BOSTON SIDNEY FARBER CANCER INSTITUTE CP71051-00 CP71057-00	GREENBERGER, JOEL S HASELTINE, WILLIAM A	BALB: 1 VIRUS AND MYELOID DIFFERENTIATION IN MICE STUDIES ON THE INTEGRATION SITES OF ONCOGENIC VIRUSES	75,000 86,670
INSTITUTION TOTAL	2		161,670
TUFTS UNIVERSITY AI72529-00	LEVY, STUART B	TESTING OF VECTOR-HOST SYSTEMS IN MAMMALS	293,497
INSTITUTION TOTAL	1		293,497
CITY TOTAL	8		778,722
CAMBRIDGE BLOCK ENGINEERING CB74095-00	SCHILDKEAUT, E ROBERT	DEVELOPMENT OF NEW METHODS OF SINGLE CELL SEPARATION	298,079
INSTITUTION TOTAL	1		298,079
BOSTON BERANEK AND NEWMAN HD72836-00	ROLLINS, ANN M	PROTOTYPE TEST OF DECODING SKILLS	161,385
INSTITUTION TOTAL	1		161,385
CITY TOTAL	2		459,464
EVERETT AVCO CORPORATION--EVERETT RESEARCH LABORATORY HV72937-00	LEDERMAN, DAVID	DEVELOPMENT OF A LEFT HEART ASSIST BLOOD PUMP	318,665
INSTITUTION TOTAL	1		318,665
CITY TOTAL	1		318,665
WILLINGTON CHARLES RIVER BREEDING LABORATORIES CN77141-00	POSTER, SUMNER	GENETIC CENTER FOR RODENTS IN BIOCONTAINMENT ENVIRONMENT	1,471,309
INSTITUTION TOTAL	1		1,471,309
KOCH INDUSTRIES--ABCOR, INC. HD72832-00	POLIDORO, JOHN P	DEVELOPMENT OF ORALLY-ACTIVE DOSAGE FORMS FOR STEROIDS	126,935
INSTITUTION TOTAL	1		126,935
CITY TOTAL	2		1,598,244

NIH  
RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	DOLLARS AWARDED
STATE TOTAL	13	3,155,095	
 MICHIGAN			
DETROIT			
HENRY FORD HOSPITAL	BRENNEMAN, GERALD M	CLINICAL CENTER FOR PROPRANOLOL HEART TRIAL	7,651
HV72957-00			
INSTITUTION TOTAL	1	7,651	
CITY TOTAL	1	7,651	
 EAST LANSING			
MICHIGAN STATE UNIVERSITY	CLIFFORD W	PREVENTION OF MAMMARY PRENEOPLASTIC LESIONS	85,000
CB74090-00	WELSCH,		
INSTITUTION TOTAL	1	85,000	
CITY TOTAL	1	85,000	
 GRAND RAPIDS			
BUTTERWORTH HOSPITAL	BOWMAN, HAROLD E	SERUM FROM PATIENTS WITH BREAST LESIONS	19,900
CB74213-00			
INSTITUTION TOTAL	1	19,900	
CITY TOTAL	1	19,900	
STATE TOTAL	3	112,551	
 MINNESOTA			
MINNEAPOLIS			
RENAL SYSTEMS	ROSENBLUTH, ROBERT F	EVALUATE IMPLANTABLE CARBON BLOOD ACCESS DEVICE	52,983
AM72219-00			
INSTITUTION TOTAL	1	52,983	
UNIVERSITY OF MINNESOTA	BERLINGER, NORMAN T	SUPPRESSOR MONOCYTES IN CANCER PATIENTS	74,666
CB74160-00			
INSTITUTION TOTAL	1	74,666	
CITY TOTAL	2	127,649	
STATE TOTAL	2	127,649	

NIH  
RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	DOLLARS AWARDED
MISSOURI			
COLUMBIA			
CANCER RESEARCH CENTER			
CB74138-00	RODES, NED D	BREAST CANCER DETECTION DEMONSTRATION PROJECTS	62,700
INSTITUTION TOTAL	1		
CITY TOTAL	1		
SAIN T LOUIS			
ST. LOUIS REGIONAL MATERNAL AND CHILD HEALTH COUNCIL			
HD72844-00	HILLMAN, LAURA S	SIDS RISK FACTOR COOPERATIVE STUDY	70,467
INSTITUTION TOTAL	1		
CITY TOTAL	1		
UNIVERSITY CITY			
WASHINGTON UNIVERSITY			
HY72919-00	KARDOS, J L	TEST POLYMERS FOR CIRCULATORY ASSIST DEVICES	140,179
HY72944-00	MARSHALL, GARLAND R	PROSTAGLANDIN AND KALLIKREIN-KININ SYSTEM ANTAGONISTS	85,104
HY72945-00	NEEDLEMAN, PHILIP P	DEVELOP PROSTAGLANDIN SYNTHESIS AND RECEPTOR ANTAGONISTS	81,195
HY72941-00	SOBEL, BURTON E	TERAPY TO PROTECT ISCHEMIC MYOCARDIUM/CLINICAL TESTS	10,600
INSTITUTION TOTAL	4		
CITY TOTAL	4		
STATE TOTAL	6		
NEBRASKA			
OMAHA			
UNIVERSITY OF NEBRASKA SYSTEM--UNIVERSITY OF NEBRASKA MEDICAL CENTER			
HY72962-00	FORKER, ALAN D	CLINICAL CENTER FOR PROPRANOLOL HEART TRIAL	8,303
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	1		
NEW HAMPSHIRE			
HANOVER			
DARTMOUTH COLLEGE			
HY72953-00	MATHews, LOUIS B	CLINICAL CENTER FOR PROPRANOLOL HEART TRIAL	8,833
INSTITUTION TOTAL	1		

NIH  
RESEARCH CONTRACTS

DOLLARS  
AWARDED

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK
CITY TOTAL	1	8,833
STATE TOTAL	1	8,833

NEW JERSEY SUBMIT	OVERLOOK HOSPITAL HY72964-00	GREGORY, JOHN J	CLINICAL CENTER FOR PROPRANOLOL HEART TRIAL 8,727
INSTITUTION TOTAL		1	8,727
CITY TOTAL		1	8,727
STATE TOTAL		1	8,727

NEW YORK ALBANY	NEW YORK STATE DEPARTMENT OF MENTAL HYGIENE HD72837-00	RICHARDSON, ELLIS	PROTOTYPE TEST OF DECODING SKILLS 71,245
INSTITUTION TOTAL		1	71,245
CITY TOTAL		1	71,245

BUFFALO	NEW YORK STATE DEPARTMENT OF HEALTH--ROSWELL PARK MEMORIAL INSTITUTE CB74165-00 CB74105-00	MINOWADA, JUN SINHA, DILIP K	DIAGNOSTIC USE OF LEUKEMIA-ASSOCIATED ANTIGENS CHANGING SENSITIVITY TO CARCINOGENESIS OF MAMMARY GLAND 71,245
INSTITUTION TOTAL		2	120,497
STATE UNIVERSITY OF NEW YORK AT BUFFALO HY72952-00 DE72408-00	KOHN, ROBERT M STINSON, MURRAY M		CLINICAL CENTER FOR PROPRANOLOL HEART TRIAL CROSS-REACTING ANTIGENS/ORAL FLORA ACIDOGENIC BACTERIA 73,607
INSTITUTION TOTAL		2	194,104
CITY TOTAL		4	194,104

NEW YORK AMRAN NOVAK ASSOCIATES LN74720-00	NOT APPLICABLE	PATIENT EDUCATION FILM WITH FACULTY & LEARNER GUIDES 71,184
INSTITUTION TOTAL	1	71,184

NIH  
RESEARCH CONTRACTS

CONTACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	DOLLARS AWARDED
NEW YORK NEW YORK COLUMBIA UNIVERSITY CP71055-00	GUNTAKA, RAMAREDDY V	PHYSICAL/BIOCHEMICAL MAPPING OF AVIAN SARCOMA VIRUS	104,200
INSTITUTION TOTAL	1		104,200
LONG ISLAND JEWISH-HILLSIDE MEDICAL CENTER HV72959-00	FRAYER, ROBERT J	CLINICAL CENTER FOR PROPRANOLOL HEART TRIAL	8,202
INSTITUTION TOTAL	1		8,202
MEMORIAL SLOAN-KETTERING CANCER CENTER CP71053-00	MOORE, MALCOLM A	STUDY MULV INFECTION AND MYELOID CELL DIFFERENTIATION	145,200
INSTITUTION TOTAL	1		145,200
NEW YORK CITY HEALTH SERVICES ADMINISTRATION HD72842-00	PAKTER, JEAN	SIDS RISK FACTOR COOPERATIVE STUDY	184,500
INSTITUTION TOTAL	1		184,500
POPULATION COUNCIL HD72827-00	GUPTA, GOPI N	DEVELOPMENT OF BIO-ERODABLE CONTRACEPTIVE IMPLANTS	105,000
INSTITUTION TOTAL	1		105,000
SLOAN-KETTERING INSTITUTE FOR CANCER RESEARCH CB7442-00 CB7446-00	CARL M PINSKY, CARL M PINSKY, CARL M	BCG BEFORE RADIATION & CYSTECTOMY IN BLADDER CANCER BCG IMMUNOTHERAPY--RECURRENT SUPERFICIAL BLADDER CANCER	48,943 44,144
INSTITUTION TOTAL	2		93,087
YESHIVA UNIVERSITY NS72371-00	SHULMAN, KENNETH M	COMPREHENSIVE CENTRAL NERVOUS SYSTEM TRAUMA CENTER	116,127
INSTITUTION TOTAL CITY TOTAL	1 9		827,500
ROCHESTER EASTMAN DENTAL CENTER DE72407-00	LEVERETT, DENNIS H	EFFECT OF TOOTH-CLEANING ON SODIUM FLUORIDE RINSE	48,908
INSTITUTION TOTAL CITY TOTAL	1		48,908

NIH  
RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	DOLLARS AWARDED
STATE TOTAL	15	1,141,757	
 NORTH CAROLINA RESEARCH TRIANGLE PARK			
RESEARCH TRIANGLE INSTITUTE AM72231-00	PITT, COLIN G	SYNTHESIS OF IRON CHELATING AGENTS FOR COOLEY'S ANEMIA	41*, 879
HV72979-00	POOLE, KENNETH	TERAPY TO PROTECT ISCHEMIC MYOCARDIUM--DATA CENTER	87*, 036
INSTITUTION TOTAL	2	128,915	
CITY TOTAL	2	128,915	
 WINSTON-SALEM WAKE FOREST UNIVERSITY	MC HENRY, LAWRENCE C	NONINVASIVE DETECTION OF ATHEROSCLEROTIC LESIONS	247,168
HV72925-00			
INSTITUTION TOTAL	1	247,168	
CITY TOTAL	1	247,168	
STATE TOTAL	3	376,083	
 OHIO CINCINNATI			
UNIVERSITY OF CINCINNATI	OLINGER, CHARLES P	NONINVASIVE DETECTION OF ATHEROSCLEROTIC LESIONS	289,163
HV72924-00			
INSTITUTION TOTAL	1	289,163	
CITY TOTAL	1	289,163	
 CLEVELAND CASE WESTERN RESERVE UNIVERSITY			
DEARBORN, DORR	CYSTIC FIBROSIS FACTOR IDENTIFICATION & QUANTIFICATION	104*, 500	
CP75927-00	HOPFINGER, ANTON J	STRUCTURE-ACTIVITY OF CANCER RELATED ENDPOINTS	98*, 678
INSTITUTION TOTAL	2	203,178	
CITY TOTAL	2	203,178	
 DAYTON BONSANTO COMPANY--DAYTON LABORATORY			
HV72918-00	MC MILLIN, CARL R	TEST POLYMERS FOR CIRCULATORY ASSIST DEVICES	159*, 402
INSTITUTION TOTAL	1	159*, 402	
CITY TOTAL	1	159*, 402	

NIH  
RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	DOLLARS AWARDED
STATE TOTAL	4	651,743	
OKLAHOMA OKLAHOMA CITY UNIVERSITY OF OKLAHOMA HEALTH SCIENCES CENTER HR72923-00	RENNETT, OWEN	CYSTIC FIBROSIS FACTOR IDENTIFICATION & QUANTIFICATION	85,500
INSTITUTION TOTAL	1	85,500	
CITY TOTAL	1	85,500	
STATE TOTAL	1	85,500	
PENNSYLVANIA			
PHILADELPHIA ANIMATION ARTS ASSOCIATES LM74717-00	ZIEGLER, HARRY E., JR	MISCELLANEOUS GRAPHIC ART SERVICES	24,075
INSTITUTION TOTAL	1	24,075	
CENTER FOR RESEARCH ON THE ACTS OF MAN HD72822-00	FURSTENBERG, FRANK F	STUDY OF EARLY CHILDBEARING AND KINSHIP RELATIONS	60,150
INSTITUTION TOTAL	1	60,150	
FRANKLIN INSTITUTE OF THE STATE OF PENNSYLVANIA CP75885-00	KLEINSTEIN, BRUCE H	PREPARATION OF CARCINOGENESIS ABSTRACTS	521,519
INSTITUTION TOTAL	1	521,519	
LANKENAU HOSPITAL HV72958-00	HOLMES, WILLIAM L	CLINICAL CENTER FOR PROPRANOLOL HEART TRIAL	9,093
INSTITUTION TOTAL	1	9,093	
CITY TOTAL	4	614,837	
PITTSBURGH CARNEGIE INSTITUTE			
HD72846-00	KRASNER, JEROME L	RESEARCH AND DEVELOPMENT OF A CARDIORESPIRATORY MONITOR	112,435
INSTITUTION TOTAL	1	112,435	
UNIVERSITY OF PITTSBURGH HI72947-00	DETRE, KATHERINE M	COORDINATING CENTER--CORONARY INTERVENTION STUDY	86,176

NIH  
RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	DOLLARS AWARDED
PENNSYLVANIA			
PITTSBURGH			
UNIVERSITY OF PITTSBURGH			
HD72829-00	PECKHAM, WILLIAM D	DEVELOPMENT OF RADIOIMMUNOASSAY FOR RHECUS MONKEY LH	66,331
HV72932-00	SASHIN, DONALD	NONINVASIVE DETECTION OF ATHEROSCLEROTIC LESIONS	210,750
INSTITUTION TOTAL	3		
CITY TOTAL	4		
		363,257	
		475,692	
UNIVERSITY PARK			
PENNSYLVANIA STATE UNIVERSITY			
CP75926-00	JURS, PETER	STRUCTURE-ACTIVITY OF CANCER RELATED ENDPOINTS	45,453
INSTITUTION TOTAL	1		
CITY TOTAL	1		
		45,453	
		45,453	
VALENCIA			
APPLIED SCIENCE ASSOCIATES			
LN74713-00	GLASGOW, ZITA	FIELD TESTING OF 15 LECTURE-SUPPORT INSTRUCTIONAL FILMS	156,295
INSTITUTION TOTAL	1		
CITY TOTAL	1		
		156,295	
		156,295	
STATE TOTAL	10		
		1,292,277	
TENNESSEE			
MEMPHIS			
ST. JUDE CHILDREN'S RESEARCH HOSPITAL			
CP71030-00	JOHNSON, WARREN	HUMAN SPECIMEN ACQUISITION FOR CANCER RESEARCH	58,592
INSTITUTION TOTAL	1		
CITY TOTAL	1		
		58,592	
		58,592	
NASHVILLE			
VANDERBILT UNIVERSITY			
CB74166-00	OLDHAM, ROBERT K	NORMALS CELL MEDIATED REACTIVITY TO HUMAN TUMOR ANTIGENS	76,374
INSTITUTION TOTAL	1		
CITY TOTAL	1		
		76,374	
STATE TOTAL	2		
		134,966	

NIH  
RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	DOLLARS AWARDED
TEXAS COLLEGE STATION TEXAS AGRICULTURAL AND MECHANICAL UNIVERSITY SYSTEM--TEXAS AGRICULTURAL AND MECHANICAL UNIVERSITY AM72232-00 MARTELL, ARTHUR E			46,198
INSTITUTION TOTAL CITY TOTAL	1 1	46,198 46,198	
DALLAS UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT DALLAS HV72942-00 WILLERSON, JAMES T			13,920
INSTITUTION TOTAL CITY TOTAL	1 1	13,920 13,920	
GALVESTON UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS MEDICAL BRANCH AT GALVESTON HR72922-00 BOWMAN, BARBARA NS72372-00 GROSSMAN, ROBERT G			102,150
INSTITUTION TOTAL CITY TOTAL	2 2	213,450 213,450	
HOUSTON BAYLOR COLLEGE OF MEDICINE CP71058-00 HR72921-00 CB74189-00	KIT, SAUL NELSON, THOMAS E ROSEN, JEFFREY		78,630 79,870 70,100
INSTITUTION TOTAL	3	228,600	
TEXAS HEART INSTITUTE HV72936-00	NORMAN, JOHN C	LEFT HEART ASSIST DEVICE DEVELOPMENT	244,962
INSTITUTION TOTAL	1	244,962	
UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT HOUSTON HV72948-00	HAWKINS, MORTON	COORDINATING CENTER FOR PROPRANOLOL HEART TRIAL	307,230
INSTITUTION TOTAL	1	307,230	
UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS SYSTEM CANCER CENTER CB74122-00	GRANATEK, CHRISTINE	DIAGNOSTIC USE OF CROSS-REACTING MICROBIAL ANTIGENS	83,297
INSTITUTION TOTAL	1	83,297	

NIH  
RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT	DIRECTOR	SCOPE OF WORK	DOLLARS AWARDED
CITY TOTAL	6		864,089	
TEXAS				
SAN ANTONIO				
SOUTHWEST RESEARCH INSTITUTE				
HD72831-00	MANGOLD, DONALD J		DEVELOPMENT OF ORALLY-ACTIVE DOSAGE FORMS FOR STEROIDS	95,027
INSTITUTION TOTAL	1			95,027
CITY TOTAL	1			95,027
STATE TOTAL	11		1,232,684	
UTAH				
LOGAN				
UTAH STATE HIGHER EDUCATION SYSTEM--UTAH STATE UNIVERSITY				
CB74155-00	KLEINSCHUSTER, STEPHEN J		IMMUNOPROPHYLAXIS OF "CANCER EYE" IN CATTLE	288,385
INSTITUTION TOTAL	1			288,385
CITY TOTAL	1			288,385
SALT LAKE CITY				
LOGAN				
SALT LAKE CLINIC RESEARCH FOUNDATION				
HV72969-00	BARKER, ALLAN H		CLINICAL CENTER FOR PROPRANOLOL HEART TRIAL	10,553
INSTITUTION TOTAL	1			10,553
UTAH STATE HIGHER EDUCATION SYSTEM--UNIVERSITY OF UTAH				
HV72975-00	JARVIK, ROBERT K		ENERGY CONVERTER FOR LEFT VENTRICLE ASSIST DEVICES	158,077
INSTITUTION TOTAL	1			158,077
CITY TOTAL	2			168,630
STATE TOTAL	3			457,015
VIRGINIA				
ARLINGTON				
AMERICAN BLOOD COMMISSION				
HV72977-00	HUBBELL, ROBERT		TASK FORCE ON UTILIZATION OF BLOOD & COMPONENTS	14,700
INSTITUTION TOTAL	1			14,700
CITY TOTAL	1			14,700

NIH  
RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	DOLLARS AWARDED
VIRGINIA CHARLOTTESVILLE UNIVERSITY OF VIRGINIA CP71056-00	PARSONS, J THOMAS	MAPPING OF INTEGRATION SITES OF AVIAN SARCOMA VIRUS	61,920
INSTITUTION TOTAL	1		61,920
CITY TOTAL	1		61,920
RICHMOND VIRGINIA COMMONWEALTH UNIVERSITY HV72943-00	FREEER, RICHARD J	PROSTAGLANDIN AND KALLIKREIN-KININ SYSTEM ANTAGONISTS	81,272
INSTITUTION TOTAL	1		81,272
CITY TOTAL	1		81,272
STATE TOTAL	3		157,892
WASHINGTON SEATTLE FRED HUTCHINSON CANCER RESEARCH CENTER CB74-00-00 CP71038-00	LEE, JOHN A THOMPSON, DONOVAN J	MODELS OF MALIGNANT & PREMALIGNANT BREAST DISEASE EPA/NCI SPECIAL SKIN CANCER EPIDEMIOLOGY STUDY	77,460 74,842
INSTITUTION TOTAL	2		152,302
INSTITUTE OF APPLIED PHYSIOLOGY AND MEDICINE HV72926-00	REID, JOHN M	ULTRASONIC IMAGING DEVELOPMENT	134,334
INSTITUTION TOTAL	1		134,334
UNIVERSITY OF WASHINGTON HD72839-00 AN72222-00	PETERSON, DONALD R SCRIBNER, BELDING H	SIDS RISK FACTOR COOPERATIVE STUDY INFLUENCE OF ANIONS DURING DIALYSIS	199,609 70,000
INSTITUTION TOTAL	2		269,609
CITY TOTAL	5		556,245
WALLA WALLA ST. MARY COMMUNITY HOSPITAL CN75395-00	CONNELL, ROBERT M	IMPLEMENTATION OF CLINICAL ONCOLOGY PROGRAM	144,524
INSTITUTION TOTAL	1		144,524
CITY TOTAL	1		144,524

NIH  
RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	DOLLARS AWARDED
STATE TOTAL	6	700,769	
WISCONSIN			
MADISON			
UNIVERSITY OF WISCONSIN SYSTEM--UNIVERSITY OF WISCONSIN-MADISON			
CB74173-00 LARSON, FRANK C			
SIGNIFICANCE OF ALKALINE PHOSPHATASE IN CANCER PATIENTS			
INSTITUTION TOTAL	1	52,496	52,496
CITY TOTAL	1	52,496	52,496
STATE TOTAL	1	52,496	52,496
PUERTO RICO			
SAN JUAN			
UNIVERSITY OF PUERTO RICO MEDICAL SCIENCES			
RR72115-00 KERBER, WILLIAM T			
INSTITUTION TOTAL	1	299,981	299,981
CITY TOTAL	1	299,981	299,981
STATE TOTAL	1	299,981	299,981
AUSTRALIA			
PARKVILLE			
UNIVERSITY OF MELBOURNE			
CB74148-00 METCALF, DONALD			
INSTITUTION TOTAL	1	80,901	80,901
CITY TOTAL	1	80,901	80,901
STATE TOTAL	1	80,901	80,901
CANADA			
HAMILTON			
MCMASTER UNIVERSITY			
HV72917-00 UCHIDA, IRENE A			
INSTITUTION TOTAL	1	178,617	178,617
CITY TOTAL	1	178,617	178,617
STATE TOTAL	1	178,617	178,617
BEHAVIOR, ECOLOGY AND REPRODUCTION OF NONHUMAN PRIMATES			
299,981			
ANIMAL MODELS FOR BONE MARROW TRANSPLANTATION			
80,901			
PLASMA LIPOPROTEINS IN IDENTICAL TWINS			
178,617			

NIH  
RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	DOLLARS AWARDED
<b>FINLAND</b>			
TURKU			
UNIVERSITY OF TURKU	TOIVANEN, PAAVO	ANIMAL MODELS FOR BONE MARROW TRANSPLANTATION	43,500
CB74177-00			
INSTITUTION TOTAL	1	43,500	
CITY TOTAL	1	43,500	
STATE TOTAL	1	43,500	
<b>GERMANY FED R</b>			
GOTTINGEN			
GEORG AUGUST UNIVERSITY OF GOTTINGEN	KRAMER, P	GASTROINTESTINAL DETOXIFICATION OF HEMOPILTRATE	8,000
AN72235-00			
INSTITUTION TOTAL	1	8,000	
CITY TOTAL	1	8,000	
STATE TOTAL	1	8,000	
<b>NETHERLANDS</b>			
AMSTERDAM			
NETHERLANDS RED CROSS	LOOS, J A	CRYOPRESERVATION OF HUMAN MONOCYTES	45,547
CB74164-00			
INSTITUTION TOTAL	1	45,547	
CITY TOTAL	1	45,547	
STATE TOTAL	1	45,547	
<b>SWEDEN</b>			
STOCKHOLM			
CAROLINE INSTITUTE	KLEIN, EVA	IN VITRO IMMUNIZATION WITH AUTOCHTHONOUS HUMAN TUMOR	62,000
CB74144-00			
INSTITUTION TOTAL	1	62,000	
CITY TOTAL	1	62,000	
<b>UPPSALA</b>			
UNIVERSITY OF UPPSALA	WIGZELL, HANS	OBTAIN UNIQUE MARKERS FOR MONONUCLEAR CELLS	50,000
CB74129-00			
INSTITUTION TOTAL	1	50,000	

NIH  
RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	DOLLARS AWARDED
CITY TOTAL	1	50,000	46,424
STATE TOTAL	2	112,000	
UNITED KINGDOM			
NOTTINGHAM			
UNIVERSITY OF NOTTINGHAM			
CB74167-00	BALDWIN, R W		
INSTITUTION TOTAL	1	46,424	
CITY TOTAL	1	46,424	
STATE TOTAL	1	46,424	
TOTAL	152	16,840,838	
DETECTION OF TUMOR SPECIFIC ANTIGENS IN THE CIRCULATION			

NIH  
RESEARCH TRAINING GRANTS

GRANT NUMBER	PROGRAM DIRECTOR	TITLE OF PROGRAM	DOLLARS AWARDED
ALABAMA BIRMINGHAM UNIVERSITY OF ALABAMA IN BIRMINGHAM CA09128-01A1	ACTION, RONALD T	TUMOR BIOLOGY--MULTIDISCIPLINARY	178,578
INSTITUTION TOTAL	1		178,578
CITY TOTAL	1		178,578
 TALLADEGA TALLADEGA COLLEGE GM07660-01	BACON, ARTHUR L	 MARC HONORS RESEARCH	 95,440
INSTITUTION TOTAL	1		95,440
CITY TOTAL	1		95,440
STATE TOTAL	2		274,018
 CALIFORNIA SAN FRANCISCO UNIVERSITY OF CALIFORNIA AT SAN FRANCISCO AG0047-01	DIAMOND, IVAN F	 MOLECULAR STUDIES OF AGING IN THE NERVOUS SYSTEM	 59,769
CA09291-01	WILSON, CHARLES B	BRAIN TUMOR BIOLOGY AND THERAPY	40,618
INSTITUTION TOTAL	2		100,387
CITY TOTAL	2		100,387
 STANFORD STANFORD UNIVERSITY CA09302-01	KALLMAN, ROBERT F	 CANCER ETIOLOGY, PREVENTION, DETECTION & DIAGNOSIS	 156,229
INSTITUTION TOTAL	1		156,229
CITY TOTAL	1		156,229
STATE TOTAL	3		256,616
 FLORIDA GAINESVILLE STATE UNIVERSITY SYSTEM OF FLORIDA--UNIVERSITY OF FLORIDA EY07046-01	ENOCH, JAY M	 VISUAL SCIENCES--CLINICAL	 32,548
INSTITUTION TOTAL	1		32,548
CITY TOTAL	1		32,548

NIH  
RESEARCH TRAINING GRANTSDOLLARS  
AWARDED

GRANT NUMBER	PROGRAM	DIRECTOR	TITLE OF PROGRAM
STATE TOTAL	1		32,548

GEORGIA	ATLANTA	ATLANTA UNIVERSITY CENTER	WINFRED, HARRIS	MARC HONORS RESEARCH
GH07666-01				187,268
INSTITUTION TOTAL		1		187,268
CITY TOTAL		1		187,268
STATE TOTAL		1		187,268

MISSISSIPPI	TOUGALOO	TOUGALOO COLLEGE	ASOKASRINIVASAN, G S	HONORS SCIENCE RESEARCH
GM07651-01				53,310
INSTITUTION TOTAL		1		53,310
CITY TOTAL		1		53,310
STATE TOTAL		1		53,310

MISSOURI	SAIN T LOUIS	ST. LOUIS UNIVERSITY	GREEN, MAURICE	MOLECULAR AND TUMOR VIROLOGY
CA0222-01A1				48,230
INSTITUTION TOTAL		1		48,230
CITY TOTAL		1		48,230
STATE TOTAL		1		48,230

NEW MEXICO	ALBUQUERQUE	UNIVERSITY OF NEW MEXICO	GRIEGO, RICHARD J	MATHEMATICAL MODELS AND CURRICULA IN BIOLOGY
GH07661-01				86,028
INSTITUTION TOTAL		1		86,028
CITY TOTAL		1		86,028

NIH  
RESEARCH TRAINING GRANTS

GRANT NUMBER	PROGRAM DIRECTOR	TITLE OF PROGRAM	DOLLARS AWARDED
NEW MEXICO UNIVERSITY PARK NEW MEXICO STATE UNIVERSITY UNIVERSITY PARK GM07667-01	BERNSTEIN, HARVIN H	MINORITY HONORS UNDERGRADUATE BIOMEDICAL SCIENCES	67,222
INSTITUTION TOTAL	1		67,222
CITY TOTAL	1		67,222
STATE TOTAL	2		153,250
NEW YORK NEW YORK CITY UNIVERSITY OF NEW YORK--MEDGAR EVERS COLLEGE GM07641-01	PAUL, DENIS P	SCIENCE CAREER OPPORTUNITIES	122,320
INSTITUTION TOTAL	1		122,320
CITY TOTAL	1		122,320
STATE TOTAL	1		122,320
NORTH CAROLINA CHARLOTTE JOHNSON C. SMITH UNIVERSITY GM07652-01	CHOPRA, BALDEO K	HONORS UNDERGRADUATE RESEARCH	84,336
INSTITUTION TOTAL	1		84,336
CITY TOTAL	1		84,336
RALEIGH NORTH CAROLINA DEPARTMENT OF ADMINISTRATION GM07672-01	SULLIVAN, RICHARD H	MARC HONORS UNDERGRADUATE RESEARCH	75,246
INSTITUTION TOTAL	1		75,246
CITY TOTAL	1		75,246
STATE TOTAL	2		159,582
OHIO CLEVELAND CASE WESTERN RESERVE UNIVERSITY HL07288-01	CHERNACK, NEIL S	RESPIRATORY DISEASES	50,854
INSTITUTION TOTAL	1		50,854

NIH  
RESEARCH TRAINING GRANTS

GRANT NUMBER	PROGRAM DIRECTOR	TITLE OF PROGRAM	DOLLARS AWARDED
CITY TOTAL	1		50,854
STATE TOTAL	1		50,854
<b>OKLAHOMA</b>			
TAHLQUAH			
NORTHEASTERN OKLAHOMA STATE UNIVERSITY GM07694-01	REED, LANNY J	HONORS UNDERGRADUATE RESEARCH	36,531
INSTITUTION TOTAL	1		36,531
CITY TOTAL	1		36,531
STATE TOTAL	1		36,531
<b>SOUTH CAROLINA</b>			
COLUMBIA			
BENEDICT COLLEGE GM07643-01	PINLAY, MARY F	HONORS UNDERGRADUATE RESEARCH	54,839
INSTITUTION TOTAL	1		54,839
CITY TOTAL	1		54,839
STATE TOTAL	1		54,839
<b>TEXAS</b>			
HOUSTON			
TEXAS SOUTHERN UNIVERSITY GM07659-01	SESSION, JOHN J	HONORS UNDERGRADUATE BIOMEDICAL SCIENCES	87,046
INSTITUTION TOTAL	1		87,046
CITY TOTAL	1		87,046
<b>PRairie View</b>			
TEXAS AGRICULTURAL AND MECHANICAL UNIVERSITY SYSTEM--PRairie View AGR. AND MECH. UNIVERSITY GM07695-01	WASHINGTON, ARTHUR C	BIOMEDICAL SCIENCES	36,166
INSTITUTION TOTAL	1		36,166
CITY TOTAL	1		36,166
STATE TOTAL	2		123,212
TOTAL	19		1,552,578

NIH  
RESEARCH FELLOWSHIP AWARDS

APPLICATION NUMBER	FELLOW	FIELD OF INTEREST	PROGRAM
CALIFORNIA BERKELEY			
UNIVERSITY OF CALIFORNIA AT BERKELEY GM 05762-01	DWORKIN, MARK B	MOLECULAR BIOLOGY	F32
INSTITUTION TOTAL CITY TOTAL	1 1		
DAVIS			
UNIVERSITY OF CALIFORNIA AT DAVIS AI 05468-01A1	DAUBERT, STEPHEN D	VIROLOGY	F32
INSTITUTION TOTAL CITY TOTAL	1 1		
LA JOLLA			
SCRIPPS CLINIC AND RESEARCH FOUNDATION AI 05569-01	PANGBURN, MICHAEL K	IMMUNOCHEMISTRY	F32
INSTITUTION TOTAL	1		
UNIVERSITY OF CALIFORNIA AT SAN DIEGO			
GM 05974-01	KAHN, MICHAEL L	MOLECULAR BIOLOGY	F32
INSTITUTION TOTAL CITY TOTAL	1 2		
LOS ANGELES			
UNIVERSITY OF CALIFORNIA AT LOS ANGELES GM 06350-01	COLBERT, DONALD A	MOLECULAR BIOLOGY	F32
GM 05786-01	ENOS, BRUCE E	MOLECULAR BIOLOGY	F32
AI 05612-01	SHANLEY, JOHN D	IMMUNOLOGY	F32
GM 06029-01	STROUSE, MARTHA J	PROTEIN/AMINO ACID BIOCHEMISTRY	F32
INSTITUTION TOTAL CITY TOTAL	4 4		
PALO ALTO			
PALO ALTO MEDICAL RESEARCH FOUNDATION AI 05632-01	WILSON, CHRISTOPHER B	PARASITOLOGY	F32
INSTITUTION TOTAL CITY TOTAL	1 1		

NIH  
RESEARCH FELLOWSHIP AWARDS

APPLICATION NUMBER	FELLOW	FIELD OF INTEREST	PROGRAM
CALIFORNIA SAN FRANCISCO UNIVERSITY OF CALIFORNIA AT SAN FRANCISCO AM05681-01	WILKINSON, CHARLES W	ENDOCRINE PHYSIOLOGY	F32
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STANFORD STANFORD UNIVERSITY	HAFKIN, BARRY MARK, DAVID P MAXSON, ROBERT E, JR SATTLER, FRED R TEGELER, JOHN J	INFECTIOUS DISEASES VIROLOGY MOLECULAR BIOLOGY VIROLOGY ORGANIC SYNTHESIS	F32 F32 F32 F32 F32
INSTITUTION TOTAL	5		
CITY TOTAL	5		
STATE TOTAL	15		
CONNECTICUT NEW HAVEN YALE UNIVERSITY	MC GUIRE, JOHN J WILKINSON, TIMOTHY J	ENZYME/METABOLISM BIOCHEMISTRY MEDICINAL/PHARMACEUTICAL CHEMISTRY	F32 F32
INSTITUTION TOTAL	2		
CITY TOTAL	2		
STATE TOTAL	2		
GEORGIA ATHENS UNIVERSITY SYSTEM OF GEORGIA--UNIVERSITY OF GEORGIA GU05424-01A1	REINERT, WILLIAM R	MOLECULAR BIOLOGY	F32
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	1		

NIH  
RESEARCH FELLOWSHIP AWARDS

APPLICATION NUMBER	FELLOW	FIELD OF INTEREST	PROGRAM
IOWA IOWA CITY UNIVERSITY OF IOWA NS06013-01	TROUT, JEROME J	METABOLIC DISEASES	F32
INSTITUTION TOTAL CITY TOTAL	1		
STATE TOTAL	1		
MARYLAND BALTIMORE JOHNS HOPKINS UNIVERSITY GM06185-01	BADEA, GEORGE M	MOLECULAR BIOLOGY	F32
INSTITUTION TOTAL CITY TOTAL	1		
BETHESDA U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE--NATIONAL INSTITUTES OF HEALTH EY05234-01	LISBERGER, STEPHEN G	OPHTHALMOLOGY	
INSTITUTION TOTAL CITY TOTAL	1		
STATE TOTAL	2		
MASSACHUSETTS BOSTON AFFILIATED HOSPITALS CENTER--ROBERT BRECK BRIGHAM HOSPITAL TW02461-01	HANDMAN, EMANUELA	PARASITOLOGY	F05
INSTITUTION TOTAL	1		
HARVARD UNIVERSITY GM06095-01 NS06012-01 AI05559-01	FREY, WILLIAM A KRODEL, ELIZABETH MANSHEIM, BERNARD J	NUCLEIC ACID BIOCHEMISTRY NEUROPHARMACOLOGY IMMUNOCHEMISTRY	F32 F32 F32 F32
INSTITUTION TOTAL	3		
MASSACHUSETTS GENERAL HOSPITAL AM05776-01	KUBLUS, JOSEPH	TISSUE CULTURE: CELL BIOLOGY	F32
INSTITUTION TOTAL	1		

NIH  
RESEARCH FELLOWSHIP AWARDS

## PROGRAM

## FIELD OF INTEREST

## APPLICATION NUMBER

## FELLOW

## CITY TOTAL

5

## MASSACHUSETTS

## CAMBRIDGE

## MASSACHUSETTS INSTITUTE OF TECHNOLOGY

GM05719-01

ROSS, DONALD G

F32

AI05623-01

ROTHSTEIN, DAVID M

F32

## INSTITUTION TOTAL

2

## CITY TOTAL

2

## STATE TOTAL

7

## MICHIGAN

## ANN ARBOR

## UNIVERSITY OF MICHIGAN

NS05311-01A1

BAUER, DIANA G

F32

NEUROANATOMY

F32

GM06107-01

CHIANG, YOUNG-LING

F32

DRUG ENZYMOLOGY

AM05588-01

VAN CAMP, HARLAN L

F32

## INSTITUTION TOTAL

3

## CITY TOTAL

3

## STATE TOTAL

3

## MINNESOTA

## MINNEAPOLIS

## UNIVERSITY OF MINNESOTA

GH05942-01

EFTINK, MAURICE R

F32

## INSTITUTION TOTAL

1

## CITY TOTAL

1

## MOLECULAR STRUCTURE

F32

## ROCHESTER

## MAYO FOUNDATION--MAYO MEDICAL SCHOOL

AI05584-01

KRICO, CHRISTOPHER J

F32

## INSTITUTION TOTAL

1

## CITY TOTAL

1

## STATE TOTAL

2

## GENETICS

F32

NIH  
RESEARCH FELLOWSHIP AWARDS

APPLICATION NUMBER	FELLOW	FIELD OF INTEREST	PROGRAM
MISSOURI UNIVERSITY CITY WASHINGTON UNIVERSITY AI05599-01	CLEVINGER, BRIAN L	IMMUNOLOGY	F32
INSTITUTION TOTAL CITY TOTAL	1		
STATE TOTAL	1		
NEW YORK BUFFALO NEW YORK STATE DEPARTMENT OF HEALTH--ROSWELL PARK MEMORIAL INSTITUTE GM06204-01	MARWDEL, BEVERLY J	ATOMIC STRUCTURE	F32
INSTITUTION TOTAL	1		
STATE UNIVERSITY OF NEW YORK AT BUFFALO NS06014-01	HACKENZIE, ROBERT G	NEUROENDOCRINOLOGY	F32
INSTITUTION TOTAL CITY TOTAL	1 2		
NEW YORK NEW YORK MEDICAL COLLEGE EY05220-01	ROMESKE, MARTHA	OPHTHALMOLOGY	F32
INSTITUTION TOTAL	1		
NEW YORK UNIVERSITY AB005267-01	GHANGAS, GURDEV S	GENETICS	F32
INSTITUTION TOTAL CITY TOTAL STATE TOTAL	1 2 4		
NORTH CAROLINA DURHAM DUKE UNIVERSITY GM06099-01	BOLEN, PAUL L	GENETICS	F32
INSTITUTION TOTAL CITY TOTAL	1 1		

NIH  
RESEARCH FELLOWSHIP AWARDS

## PROGRAM

## FIELD OF INTEREST

## APPLICATION NUMBER FELLOW

## STATE TOTAL

1

OREGON				
BUEGENE				
OREGON STATE HIGHER EDUCATION SYSTEM--UNIVERSITY OF OREGON				
GM 06341-01	AMMON, HERMAN L	CRYSTALLOGRAPHY	F32	
GM05669-01A1	WOODBURY, CHARLES P. JR	MOLECULAR BIOLOGY	F32	
INSTITUTION TOTAL	2			
CITY TOTAL	2			
STATE TOTAL	2			
PENNSYLVANIA				
BETHLEHEM				
LEHIGH UNIVERSITY				
AI05393-01A1	SCHOENBERG, DAVID A	PARASITOLOGY	F32	
INSTITUTION TOTAL	1			
CITY TOTAL	1			
HERSHEY				
PENNSYLVANIA STATE UNIVERSITY	MILTON S. HERSEY MEDICAL CENTER			
GM06273-01	MILLER, JUDY A	TOXICOLOGY/PHARMACODYNAMICS	F32	
INSTITUTION TOTAL	1			
CITY TOTAL	1			
PHILADELPHIA				
UNIVERSITY OF PENNSYLVANIA	CADENAS, CARLOS E	ENZYME/METABOLISM BIOCHEMISTRY	F05	
TR02457-01				
INSTITUTION TOTAL	1			
CITY TOTAL	1			
PITTSBURGH				
CARNEGIE-MELLON UNIVERSITY	BORNAN, LINDA S	MOLECULAR BIOLOGY	F32	
GM05866-01				
INSTITUTION TOTAL	1			
CITY TOTAL	1			

NIH  
RESEARCH FELLOWSHIP AWARDS

APPLICATION NUMBER	FELLOW	FIELD OF INTEREST	PROGRAM
STATE TOTAL	4		
TEXAS			
HOUSTON			
UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS SYSTEM CANCER CENTER			
GM 06023-01	RAY, JAMES H	BIOCHEMICAL AND MOLECULAR GENETICS	F32
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	1		
WASHINGTON			
SEATTLE			
UNIVERSITY OF WASHINGTON			
AI05645-01	QUACKENBUSH, ROBERT L	MICROBIOLOGY	F32
HL05726-01	SCHWARTZ, ROBERT S	DIABETES	F32
INSTITUTION TOTAL	2		
CITY TOTAL	2		
STATE TOTAL	2		
WISCONSIN			
MADISON			
UNIVERSITY OF WISCONSIN SYSTEM--UNIVERSITY OF WISCONSIN-MADISON			
GM 05601-01AI1	VIOLA, RONALD E	ENZYME/METABOLISM BIOCHEMISTRY	F32
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	1		
SWEDEN			
UPPSALA			
UNIVERSITY OF UPPSALA			
AI 05619-01	FOWLKES, DANA M	VIROLOGY	F32
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	1		

NIH  
RESEARCH FELLOWSHIP AWARDS

## PROGRAM

## FIELD OF INTEREST

APPLICATION NUMBER	FELLOW
UNITED KINGDOM CAMBRIDGE MEDICAL RESEARCH COUNCIL--LABORATORY OF MOLECULAR BIOLOGY CA06223-01	HINGERTY, BRIAN E CRYSTALLOGRAPHY
INSTITUTION TOTAL	1
CITY TOTAL	1
STATE TOTAL	1
<b>TOTAL</b>	<b>51</b>

F32

NIH  
RESEARCH CAREER PROGRAM AWARDS

GRANT NUMBER	AWARDEE	PRINCIPAL AREA OF RESEARCH	PROGRAM
<b>ALABAMA</b> BIRMINGHAM UNIVERSITY OF ALABAMA IN BIRMINGHAM HL00387-01 CASSELL, GAIL H		MURINE CRD: A MODEL OF CHRONIC PULMONARY INFLAMMATION	K04
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	1		
 <b>CALIFORNIA</b> LA JOLLA SCRIPPS CLINIC AND RESEARCH FOUNDATION AH00393-01 GINSBERG, MARK H		MEDIATOR CELL ACTIVATION BY IMMUNE COMPLEXES AND LPS	K08
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	1		
 <b>COLORADO</b> DENVER UNIVERSITY OF COLORADO MEDICAL CENTER AM00347-01 SIMON, FRANCIS R		SURFACE MEMBRANE REGULATION OF BILE ACID TRANSPORT	
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	1		
 <b>CONNECTICUT</b> NEW HAVEN YALE UNIVERSITY AB00389-01 AM00363-01 MILSTONE, LEONARD M POWLEY, TERRY L		DIFFERENTIATION OF EPIDERMIS: ROLE OF KERATINOSOMES HYPOTHALAMIC CONTROL OF BODY WEIGHT AND FEEDING	K08 K04
INSTITUTION TOTAL	2		
CITY TOTAL	2		
STATE TOTAL	2		

NIH  
RESEARCH CAREER PROGRAM AWARDS

GRANT NUMBER	AWARDEE	PRINCIPAL AREA OF RESEARCH	PROGRAM
FLORIDA MIAMI UNIVERSITY OF MIAMI AM00314-01	FINE, LEON G	FUNCTIONAL PROFILE OF THE ISOLATED UREMIC NEPHRON	K04
INSTITUTION TOTAL CITY TOTAL	1 1		
STATE TOTAL	1		
ILLINOIS CHICAGO UNIVERSITY OF CHICAGO AM00401-01	RECKARD, CRAIG R	EFFECTS OF PANCREATIC ISLET TRANSPLANTATION	K08
INSTITUTION TOTAL CITY TOTAL	1 1		
STATE TOTAL	1		
MARYLAND BALTIMORE JOHNS HOPKINS UNIVERSITY NS00279-01 AI00231-01	KRISTT, DONALD A PLAUT, MARSHALL	BIRTH DEFECTS OF THE CEREBRAL CORTEX CELL-MEDIATED IMMUNITY: MODULATION BY HISTAMINE	K07 K04
INSTITUTION TOTAL CITY TOTAL	2 2		
STATE TOTAL	2		
MINNESOTA MINNEAPOLIS UNIVERSITY OF MINNESOTA HD00191-01	LEE, CHING Y	GONADOTROPIN RECEPTORS IN OVARIES & GRANULOSA CELLS	K04
INSTITUTION TOTAL CITY TOTAL	1 1		
STATE TOTAL	1		

NIH  
RESEARCH CAREER PROGRAM AWARDS

GRANT NUMBER	AWARDEE	PRINCIPAL AREA OF RESEARCH	PROGRAM
NEW YORK			
NEW YORK			
MEMORIAL SLOAN-KETTERING CANCER CENTER			
AI00219-01	STEWART, WILLIAM E., II	CHARACTERIZATIONS OF INTERFERONS AND THEIR ACTIONS	K04
INSTITUTION TOTAL	1		
ROCKEFELLER UNIVERSITY			
AI00259-01	FISCHETTI, VINCENT A WINCHESTER, ROBERT J	PROPERTIES OF STREPTOCOCCAL M PROTEIN HUMAN B LYMPHOCYTE ALLOANTIGENS AND SURFACE MAKERS	K04
AI00216-01			K04
INSTITUTION TOTAL	2		
CITY TOTAL	3		
STATE TOTAL	3		
NORTH CAROLINA			
CHAPEL HILL			
UNIVERSITY OF NORTH CAROLINA SYSTEM--UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL			
ES00026-01	SOBSEY, MARK D	ENTERIC VIRUS CONTAMINATION OF WATER AND SHELLFISH	K04
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	1		
OREGON			
PORTLAND			
OREGON STATE HIGHER EDUCATION SYSTEM--UNIVERSITY OF OREGON HEALTH SCIENCES CENTER			
AM00391-01	BUXMAN, MELODIE M	EPIDERMAL TRANSGLUTAMINASE--ROLE IN KERATINIZATION	K08
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	1		
PENNSYLVANIA			
PHILADELPHIA			
UNIVERSITY OF PENNSYLVANIA			
AM00385-01	HASSELBACHER, PETER	EFFECT OF PROTEIN-CRYSTAL INTERACTIONS IN ARTHRITIS	K08
INSTITUTION TOTAL	1		
CITY TOTAL	1		

NIH  
RESEARCH CAREER PROGRAM AWARDS

GRANT NUMBER	AWARDEE	PRINCIPAL AREA OF RESEARCH	PROGRAM
PENNSYLVANIA PITTSBURGH MONTEFIORE HOSPITAL AM00290-01	PROMM, HANS	BILE ACID METABOLISM IN GALLSTONE DISEASE	K04
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	2		
TEXAS DALLAS UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT DALLAS AM00378-01	COHEN, PHILIP L.	IN VITRO STUDIES OF B LYMPHOCYTE FUNCTION	K08
INSTITUTION TOTAL	1		
CITY TOTAL	1		
STATE TOTAL	1		
TOTAL	18		

NIH  
CONSTRUCTION GRANTS

GRANT NUMBER	RESPONSIBLE OFFICIAL	PURPOSE OF GRANT	DOLLARS AWARDED
NEW YORK COLD SPRING HARBOR COLD SPRING HARBOR LABORATORY CA21750-01	UDRY, WILLIAM R	NEW CANCER FACILITY	1,411,000
INSTITUTION TOTAL	1		1,411,000
CITY TOTAL	1		1,411,000
STATE TOTAL	1		1,411,000
TOTAL	1		1,411,000



Library Acquisitions Unit  
National Institutes of Health  
Building 10  
Bethesda, Maryland 20814



10 Center Drive  
Bethesda, MD 20892-1150  
301-496-1080



U.S. GOVERNMENT OF  
HEALTH AND WELFARE

INSTITUTES OF HEALTH  
MAIL LAND 20014

MAIL BUSINESS

PRIVATE USE, \$300

NIH LIBRARY



3 1496 00179 0131

POSTAGE AND FEES PAID  
U.S. DEPARTMENT OF H.E.W.  
HEW 394

SPECIAL FOURTH-CLASS RATE  
BOOK

